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# FLORIST'S WHOLESALE PRICES

JAN. - JULY  
1937

62-23  
*Gro* Ball  
INC.

West Chicago  
Illinois

FEB 2

U. S. Department of Agriculture.

Catalog  
No. 30



*Ball*

(ROT-RESISTANT)

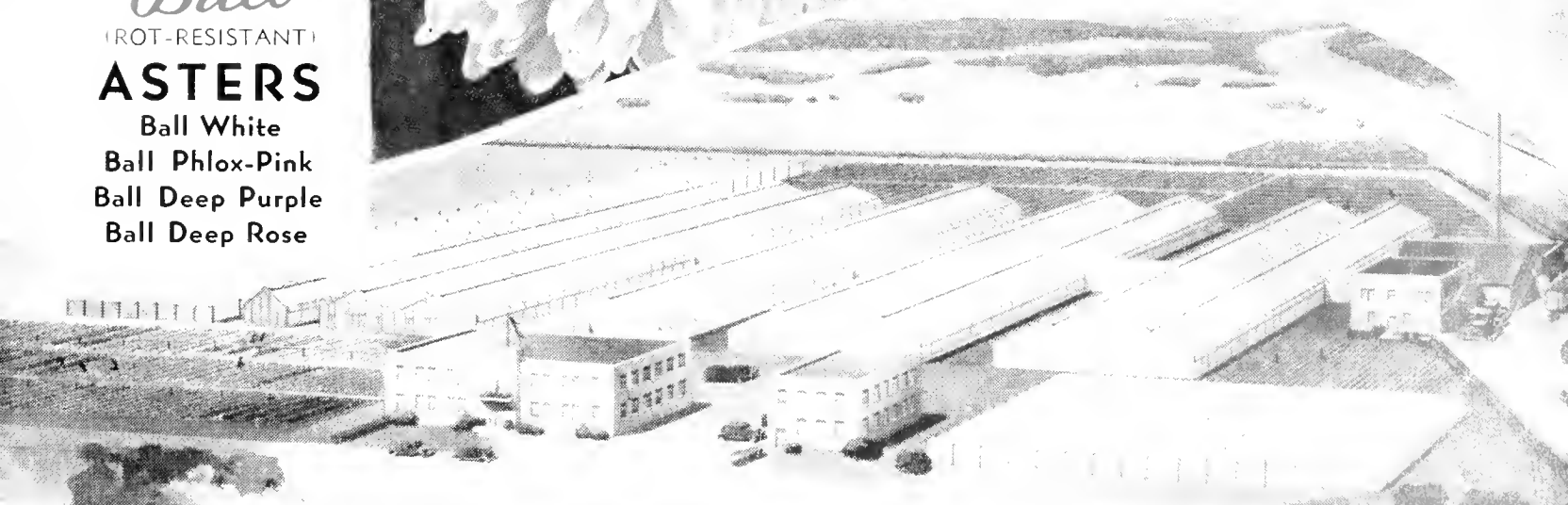
## ASTERS

Ball White

Ball Phlox-Pink

Ball Deep Purple

Ball Deep Rose



# "FLOWER SEEDS FOR FLORISTS"

ALL DOUBLE

# PETUNIAS

**T**HE high proportion of full double fringed flowers in the following All Double varieties gives them exceptional value. No retail florist business can afford to miss them. They make choice pot plants and their naturally strong growth gives them real value for bedding. Also, they should be planted out for their cut flower uses during summer.

With all Petunia seed orders we enclose our circular that offers detailed suggestions on their germination and culture.

## The Finest All-Doubles

**Victorious.** Three flowers at right is a color photo of this fine strain.

**Pink Perfection.** (World Beauty). Pot plant at bottom pictures this most valuable color.

**Loveliness.** La France pink, with same pink and white. Extra compact growth

**Amaranth Red.** A particularly rich color for bedding or pot plants.

**Snowball.** Clear fringed white.

**White Glory.** Peony-flowered extra large white

**Price:** All varieties, 1/2 tr. pkt., 500 seeds, \$1.00; tr. pkt., 1000 seeds, \$2.00; 3 tr. pkts., any variety, \$5.00.





# NEW AND TRIED ITEMS

## BEGONIA, Darling

Of perfect, compact habit, ideal for bedding or pots. Fairly soft rose-pink under glass, deepening to carmine-rose outdoors. Medium large and of winter-flowering habit.

Tr. pkt., \$1.00; 1/64 oz., \$2.25.

## BEGONIA, Elegant

Clear white with petals edged rose-pink; large-flowered. General effect light and most pleasing against the background of green foliage. Fine for combination boxes.

Tr. pkt., \$1.00; 1/64 oz., \$2.00.

## CANDYTUFT, Giant Hyacinth White

Our strain of this fine cut flower type is the result of annually selected stock seed and comes as true to a fine commercial cut flower stock as it is possible to get it. A January sowing spaced 6x6 inches will, in a cool house, make a welcome crop for Memorial Day.

Tr. pkt., 25c; oz., 75c; 4 ozs., \$2.50.



Candytuft, Giant Hyacinth-Flowered



Celosia, Fiery Feather

## CELOSIA, Fiery Feather

Bright scarlet, pyramid type, 12 to 14 inches. Highly attractive with us from late August until frost. Sow in the open around June 1st. Stands our trying summers well and deserves wider use for edging or mass effects. Also, this dwarf class is of outstanding value in combination plant arrangements. They can be flowered perfectly during May in 2 1/2-inch pots from an early January sowing.

Tr. pkt., 35c; 1/8 oz., 70c.

## CELOSIA, Golden Feather

Same as above in every way but rich golden yellow. Tr. pkt., 35c; 1/8 oz., 70c.



Cosmos, Early Orange Flare

## CELOSIA, Thompsoni Magnifica

Also of pyramid type of flowers, grows 2 to 4 feet, depending upon conditions. Mixture of red and yellow, largely red, and one of the most showy. Like all Celosias, we find they do best sown where they are to flower but are nicely grown and sold in pots.

Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

## COSMOS, Orange Flare

Clear attractive orange. Flowers throughout the season with nice stems for outdoor cutting. This is an early flowering variety, and by sowing early can be used for spring flowering in 3-inch pots. Attractive in combinations.

Tr. pkt., 25c; 1/2 oz., 60c; 1 oz., \$1.00.

## COSMOS, Sensation

Rose-pink and white, large-flowered and extra early describes this new early strain that was bred in Minnesota to produce a good crop of flowers before being cut down by early frosts. Valuable for outdoor work and cutting in any section, but especially in the northern states and Canada. Available in **Pink**, and **White** strains, as well as in **Mixture**. See listing on page 27.

Tr. pkt., each, 25c; 1/4 oz., 45c; 1 oz., \$1.50.

## DAHLIA, Unwin's Dwarf

Double and single flowering, mixed colors and a height of 18 to 24 inches describes this attractive bedding class of Dahlias. After frost has cut them down, roots should be lifted and stored cool. If divided and potted in February, they make nice pot plants and are used for this purpose. Before frost undesirable ones should be removed.

Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25; 4 ozs., \$8.00.

## DORONICUM, Pardalianches

(New). "Bunch of Gold." Flowers of this new variety are not quite so large as *Doronicum Caucasicum* but produced so much more freely that it will be found valuable for cutting. Also flowering period, late June, follows the old variety. Height 2 feet. Long-stemmed and valuable for cutting.

Tr. pkt., 75c.

## IPOMOEA, Clark's Mammoth Heavenly Blue

This variety resembles Heavenly Blue but has a yellow throat; also some earlier flowering than Heavenly Blue and we believe should be preferred. Must be grown in poor soil and not watered to prevent the heavy growth with no flowers that is frequently complained of. In the north should be sown early in pots, seedlings do not transplant well.

Tr. pkt., 25c; 1 oz., 90c.



Doronicum Pardalianches—"Bunch of Gold"

## LARKSPUR, White King

Clear glistening white, quite large, well rounded flowers. Base-branching and the finest in this color.

Tr. pkt., 35c; 1/4 oz., 60c; 1 oz., \$2.00.

## LILY, White Queen

This is clear snow-white, extra large and readily grown from seed in 17 months. After our experience with it this season in a deep ground bed of sandy soil and a rose house temperature, we believe this Lily will be found profitable. This strain will flower in about 17 months from seed. Bulbs as well as seedlings planted outside last fall are coming through nicely this spring, proving its hardiness. We have a supply of this seed ready for immediate shipment.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/8 oz., \$1.75; 1 oz., \$12.00.

# OF EXTRA VALUE

## NEW MARIGOLD, Golden Eagle

Very similar in habit, flower size and type to the well known Guinea Gold. The color, however, is a rich golden yellow, midway between Yellow Supreme and Guinea Gold. If you have grown these two, the value of this new color, especially for outdoor cutting, can be visualized and appreciated.

Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.50.

## MARIGOLD, Dwarf French Monarch Mixed

While the Monarch strain is not quite so early flowering as the regular dwarf French, the flowers are better rounded and decidedly more attractive. This is a choice strain for combination boxes. We suggest sowing early January.

Tr. pkt., 20c; 1 oz., 75c.

## MARIGOLD, Fire Cross

A dwarf French single that we prefer to Legion of Honor because of more compact habit, earlier and freer flowering. Light orange with brown center.

Tr. pkt., 20c; 1 oz., 60c.

## MATRICARIA, Ball's Double White

(Feverfew). For cutting we find this clearly improves the regular kind propagated through cuttings. Flowers are smaller, more solidly double, and harder. Comes 95% true to type from seed we offer. Seed crop frequently a failure—for this reason we suggest working up a stock through cuttings. Offered only in trade packets at 35c each.

## MYOSOTIS, Ball's Early

Extra early flowering compared with Blue Bird that is generally used for cutting. In deep soil of a cool house this makes good stems. Its rich dark blue color and early flowering make it the preferred cut flower variety. Also valuable for outdoors, but winter protection is necessary in our climate.

Tr. pkt., 35c; 1/4 oz., 75c.

## PETUNIA, Ball's Dwarf Giant No. 1

This is the finest available Superbissima Giant strain. True dwarf Giants to the extent of 75% to 80%. A valuable class for flowering in 3- and 4-inch pots.

1/2 Tr. pkt., 75c; Tr. pkt., \$1.25; 1/64 oz., \$2.25; 1/32 oz., \$4.00; 1/16 oz., \$7.00.

## PETUNIA, Ball's Single Fringed No. 1

A strain of fringed Grandifloras, largely attractive light rose-pink shades. This is an extra strong growing and extra free flowering strain. Because of this it is especially valuable in sections where summers are hot and dry.

Tr. pkt., 50c; 1/32 oz., \$1.00; 1/16 oz., \$1.75; 1/8 oz., \$2.75; 1/4 oz., \$5.00.

## PETUNIA, Black Prince

This is a rich velvety red color classed as a Balcony, but its vigorous growth and color makes it strikingly fine for bedding. Comes practically 100% true to color and has done so since its introduction three years ago. The variety Flaming Velvet sent out last year is identical to Black Prince except that it does not come as true to color.

Tr. pkt., 35c; 1/16 oz., 60c; 1/8 oz., \$1.00.

## PETUNIA, Celestial Rose

Introduced by us to the American trade three years ago, it remains the choicest deep rose dwarf bedding variety. Color deeper than Rose of Heaven, that it decidedly improves.

Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.00; 2 ozs., \$7.00.



Sedum Reflexum, "Chameleon"

## PETUNIA, Rose King

Though belonging to the ordinary Hybrida class, this is an unusually attractive shade of deep rose-pink with gold throat. Though not compact, its vigorous growth and rich color gives it value for growing as young stock in flats and for bedding.

Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

## PRIMULA Malacoides, Brilliancy

Deep crimson or rose-red, the darkest shade in this class. It adds an attractive variation to Baby Primulas.

Tr. pkt., \$1.00; 6 pkts., \$5.00.

## SALVIA Splendens, Firebrand

We find our European strain of this the most desirable we have ever tested. About 6 inches more dwarf than our good strain of America, very uniform in height and extra early flowering.

Tr. pkt., 50c; 1/4 oz., 85c; 1 oz., \$3.00; 4 ozs., \$9.00.

## SCHIZANTHUS, Giant Blatched

Our strain of this comes to us from the originator, Blockmore and Langdon, of England. A true Giant type with a large dark blotch in the center of each flower. We also find it 2 to 3 weeks earlier flowering than other strains.

Tr. pkt., 50c; 1/16 oz., \$1.00.

## SEDUM Reflexum, "Chameleon"

The most distinctive new Sedum, we noted in Europe the past season. Growth starts green, gradually taking on some salmon or apricot shading as the season advances. Reproduces about 50% true to this coloring from seed. Further propagation is through divisions from the true seedlings. Bright canary-yellow flowers in July and August to a height of 8 to 10 inches. A valuable addition to rock garden plants.

Tr. pkts., only 50c.

## STOCK, Non-Branching Ball's Pink

An entirely new color in the Non-Branching class. It can best be described as identical to Bismarck Rose. Strictly non-branching with doubles around 65%.

Stock limited. Tr. pkts., only \$1.00.

## STOCK, Santa Maria

This extra strong growing white belongs to a new class known as Giants of California. Santa Maria is outstanding for long-stemmed growth, purity of color, and good percentage of doubles.

Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

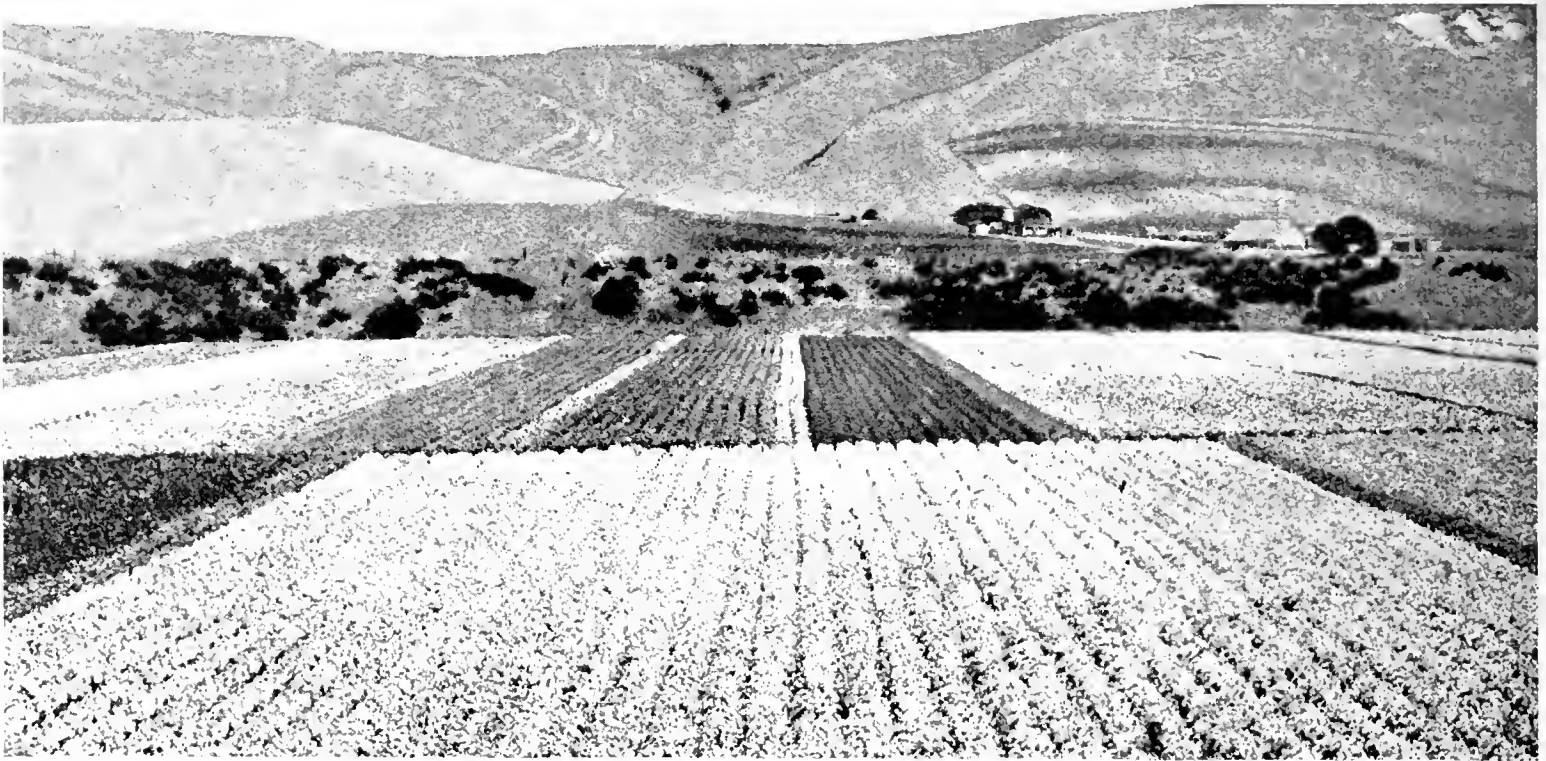
## VERBENA, Venasa

We are sure no retail grower should miss this heliotrope-blue Verbena because of its rich effect for bedding and its use for cutting.

Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.



Stock, Ball's Pink



All our aster seed is grown for us under the ideal climatic conditions of California where strong sun and absence of rain thru the growing season insures perfectly matured seed.

## GOOD ASTERS

THERE is no question about a fine lot of Asters being profitable. A welcome market is assured for them in advance. The problem is to grow them successfully. Also, there is no question about the rot-resistant strains going far to solve this problem. But these strains are not always as successful everywhere as they are with the originator. The reason is quite clear. An examination of a lot of diseased Asters will show various kinds of trouble. No doubt about the stem rot they are bred to resist, existing in various forms. And it happens that growing or weather conditions are much more favorable to rot some seasons than others. Also, some resistant strains are, perhaps, not so fully resistant as they can and will be. It is practically impossible to get all of them highly resistant, for some are naturally weaker than others. The California Giants are most difficult to strengthen; so are the Peony-flowered, though in our list for this season will be found two good Giants and a fine new Silvery Rose in the Peony-flowered. Such weaker strains, under the unusual and prolonged heat of the past summer, will suffer most. You might ask, "Why are the weakest ones sent out?" Please note that no resistant variety is offered as such that does not show up at least 75 to 80 per cent strong in soil that has grown Asters for 5 or 6 years and is full of disease. This is further checked by planting regular strains alongside of them, and these checks are invariably destroyed 100 per cent in a very short time.

However, we are glad to say that we receive, from all sections of the country, many and highly favorable reports on the way the resistant strains hold up. Considering the amount of selective work that has been done on these strains both for resistance to rot and type, we feel very safe in urging their use and insisting upon their superiority to the regular kind under anybody's growing conditions. In fact, we are so certain of their better value that, to carry out our policy of "All the best and nothing else," we will no longer list regular varieties that are available in the resistant ones.

**In growing Asters** keep in mind that a check to growth at any stage is clearly hurtful. The ideal starting plan for getting clean, healthy growth is to sow the seed, after heavy frosts are over, where they are to flower. This avoids the check of transplanting and explains the success of the home gardener who generally has a wealth of Asters, while your early-sown transplanted stock dies out. But, to get long stems and larger commercial flowers, an earlier start is necessary; for to produce such flowers requires a strong plant with time to make stems before the buds set, which they will do when their time for doing so arrives regardless of stem length or growth. So the commercial grower must sow earlier under glass and avoid checks as far as possible.

For planting in cloth houses in our latitude we sow April 10 to 15, transplanting but once—to flowering bed 12x12 inches. The past season we made an early January sowing, using four hours of electric lights nightly on them until planted on raised beds in March. Mostly Royals were used, and we flowered them early in June and they paid. But the young stock must be grown in at least a Carnation house temperature. In a cold dark house they are inclined to stand still; and when this happens, they are checked and will be liable to rot out no matter how resistant they are. Artificial light helps keep them going. The hardest check to overcome is a hard wilt in transplanting to the open field without water. They pick up, of course, and start off in fine shape even after wilting 3 or 4 days; but—well, most of us are familiar with the usual result.

**Poying Asters cannot be grown without the protection of a cloth house.** Some localities might get a fair crop one season out of three or four but the average will not be profitable. The cloth house produces longer stems and larger flowers, and—freedom from the "yellows." This deadly disease is carried to Asters by a very small insect that the cloth house screens out. No retail grower can afford to do without a cloth house. Not only Asters but most summer crops are greatly improved by the shelter they afford from the scorching sun and wind of mid-summer.

## YOUR ASTER SEED

**E**RRORS in selecting varieties or supplying Aster or any other seed are sometimes very costly. It is not possible for anyone to be always 100% right in this, of course. Asters have been a leading specialty with us since 1903. We promptly recognized the great value of the rot-resistant work on Asters begun by Dr. L. R. Jones of Madison, Wisconsin. The development of these strains is now carried on by Bodgers Seeds, Ltd., of California, and ourselves, at West Chicago, Illinois. All our Rot-Resistant Aster seed is grown for us by Bodgers under

our personal supervision. Also—all our Rot-Resistant Aster seed is grown for us on land that has been used for many years for Asters and is thoroughly sick with rot. This, of course, insures the maintenance of high resistance and will tend to increase it. As usual, there will be a few Aster seed shortages this season. If seed is not ordered until March or April, you will probably feel some of them. In conclusion, if we can be of service in connection with your Aster growing plans, we will be very glad to hear from you.

# BALL RESISTANT ASTERS

**T**HE following varieties are the best available in the Rot-Resistant class. The varieties in this list that we find best both as to rot resistance and color, as well as such as are most generally popular, are starred (\*). Fully realizing the importance of the frequent inquiry, “What are the best varieties?” we go one step farther this season in presenting what we find to be the 12 Best Varieties. This should be of interest, for it is based on the past season’s seed sales, an important index, and our own experience as cut flower growers.

**PRICES ON ALL ROT-RESISTANT STRAINS,**  
except the varieties priced differently, are as follows:  
Tr. pkt., 40c; ¼ oz., 50c; 1 oz., \$1.75.

## 12 Best Rot Resistant Asters

Listed in order of their value. Dates are for flowering in our latitude and will vary.

**Boll White Late.** Typical American Branching type and habit, long-stemmed, quite large and full double. Generally found the best in its class, following in flowering season our Ball White Early. Sept. 10 to 15.

**Boll Deep Rose.** Extra bright shade of deep rose with attractively incurved petals; medium size, extra long-stemmed, and highly resistant. One of our finest productions. Aug. 20 to Sept. 1.

**Early Phlox Pink.** Fairly light rose-pink. An especially attractive cut flower shade with perfect American Branching habit. Sept. 5 to 10.

**Boll White Early.** This is a resistant selection from our original Ball White. This selection has not left it quite true to the original form, but a very choice full double white that follows the Royals. Sept. 5 to 10.

**Branching Azure-Blue.** Clear mid- or bright lavender-blue. Of fine color and size, long-stemmed, and highly resistant. Sept. 15 to 20.

**Boll Deep Purple.** An attractive bright deep purple. In flowering season, long stem, and resistance to rot this is an exact duplicate of our Ball Deep Rose. Both these Ball varieties are cut out before the main crop comes in. Aug. 20 to Sept. 1.

**Royal White.** Best early commercial white; nice stems and true Branching. Aug. 25 to Sept. 1.

**Queen of the Market White.** The leading early cut flower white. Under our conditions none of this early class is quite so resistant to rot as the later kind, but reports are generally very favorable on this White and Blue. July 15.

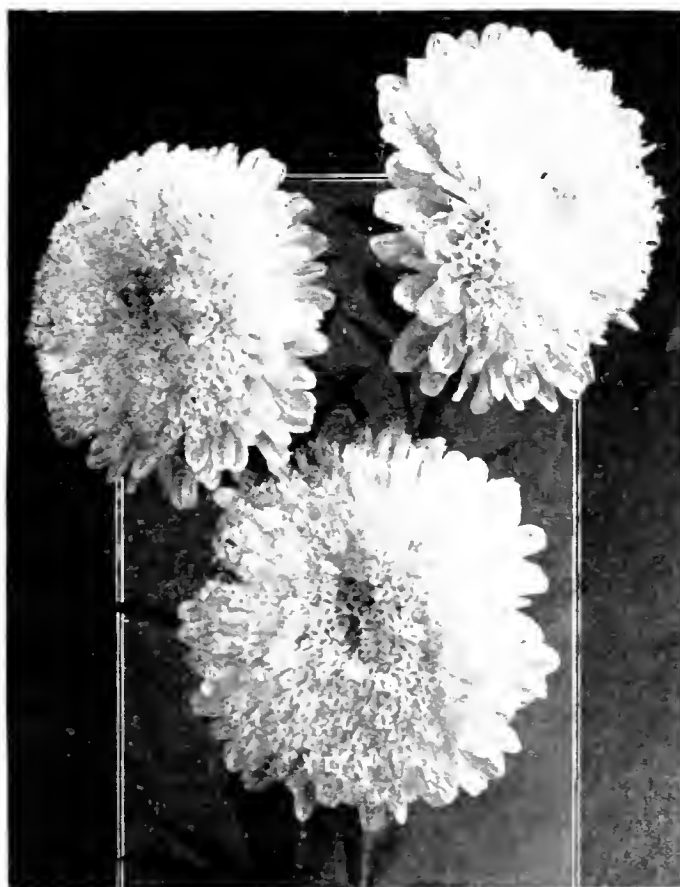
**Early American Beauty Silvery Rose.** (New). We predict that this variety will be nearer the head of this list because of its pleasing rose color, several shades deeper than our Phlox Pink. Also, Silvery Rose is very much non-lateral, large-flowered, and long-stemmed. Sept. 15 to 20.

**Royal Azure-Blue.** Same color as Branching Azure-Blue. It might be called lavender-blue. A pleasing shade and a fine cut flower variety in the Royals. Sept. 5 to 10.

**Royal Shell-Pink.** A bright shade of Semple or Shell-Pink, with extra large flowers for this class; medium long-stemmed. An excellent commercial variety for size and color. Sept. 1 to 5.

**Queen of the Market Mid-Blue.** A very good early mid-blue; valuable because of early flowering. July 15.

**Mixture of Above 12 Best Varieties.** This mixture contains equal amounts of each above varieties. This provides a succession of flowers from July to late September.



“Golden Sheaf” supplies the demand for a yellow Aster. We find it highly resistant.



## “FLOWER SEEDS FOR FLORISTS”

### BALL RESISTANT ASTERS—Continued

Classified List of Standard Resistant Varieties, the 12 Best not included.

**PRICES ON ALL ROT-RESISTANT STRAINS,**  
except the varieties priced differently, are as follows:  
**Tr. pkt., 40c; ¼ oz., 50c; 1 oz., \$1.75.**

**QUEEN OF THE MARKET.** Most popular early flowering class of moderately strong growth, stem and size. The class as a whole is only fairly resistant, and should be grown in fresh soil. Quite profitable when well done because of early flowering habit. July.

**Crimson.** Somewhat lighter than a true crimson, giving it commercial cut flower value.

**Dork Blue.** We find all blues strongly resistant.

**Flesh-Pink.** Light or blush pink.

**Scorlet.** A rather dull color for cut flowers.

**ROYALS.** This class follows Queen of the Market and is a very popular one. Excellent size and stem for the early flowering date, that varies some. Because of the value of this class most varieties will be found among our 12 best.

**Purple.** Our Ball Deep Purple much better.

**AMERICAN COMETS.** We group the Cregos, Astermums and Comets under this heading. All are attractive American Asters, producing more or less the same interlaced or fluffy petal effect. A highly attractive type but does not stand shipping as well as do the plain or incurved class.

**Astermum, Lovender.** An attractive fairly dark lavender-blue. Sept. 5 to 10.

**Astermum, Rose-Pink.** Bright rose-pink; upright growth. Very good market color. Sept. 1 to 5. Tr. pkts. and ¼ oz. only.

**Astermum, White.** Earlier but not so full or large as Crego White. Sept. 1 to 5.

**Ostrich Feather, Peoch Blossom.** Attractive fairly deep rose-pink. Excellent for market. Sept. 10 to 15.

**Comet, Blush Pink.** Light or blush pink. Valuable for earliness and very free flowering habit. Fairly long-stemmed. Aug. 25 to Sept. 1.

**Comet, Light Blue.** Medium size, good cut flower color. Early September.

**Crego, Azure-Blue.** Attractive light blue. Excellent market color. Sept. 10 to 15.

**Crego, Blue Flame.** Rich, fairly deep blue, with extra long-stemmed flowers. Highly resistant and a good dark color. Sept. 5 to 10.

**Crego, Deep Rose.** Rich deep rose. One of our fine market colors. Sept. 10 to 15.

**Crego, Peoch Blossom.** Attractive rose-pink. Sept. 10 to 15.

**Crego, Orchid.** Rich rosy lavender. A true orchid color and original; long, though not very stiff-stemmed, large-flowered, and highly resistant. Sept. 5 to 10.

**Crego, Shell-Pink.** Nice bright shade. Sept. 10 to 15.

**Crego, White.** Large, full flowers. Pure white. Sept. 5 to 10.

**UPRIGHT BRANCHING.** This class is distinctive for strong, upright, instead of spreading or branching habit. Not so long or stiff-stemmed as the Branching class, but there are a few very excellent varieties in this group that should be more largely used.

**Peoch Blossom.** A rich shade of lavender-rose-pink. Sept. 10 to 15.

**Purple.** A strong dark purple. A rich shade. Sept. 10 to 15.

**White.** Produces fine, large, full double flowers. Sept. 10 to 15.

**AMERICAN BRANCHING.** A term generally used to cover a number of mid-season strains of various producers. All are alike of spreading or branching habit and for best results should be disbudded. Varieties Ball White Late and Ball White Early, among the 12 Best, are typically American Branching. Royals and Queen of the Markets are of the same branching habit, but September flowering kinds only are known as American Branching.

**Deep Rose.** (New). We have developed an extra large-flowered, long-stemmed strain of this. Sept. 15 to 20.

**Purple.** A strong growing, highly resistant strain. Sept. 10 to 15.

**White.** This is an excellent American Branching strain. Sept. 10 to 15.

**Semple Pink** (Ball). We offer our improved strain of this choice shell-pink. Sept. 10 to 15.

**KING TYPE.** Attractively pointed or quilled petals give this class real distinction. Flowers harder than most classes and for this reason they do not spot or bruise so easily, and are valuable for shipping.

**Crimson.** Bright deep color. Sept. 10 to 15.

**Peoch Blossom.** Light rose-pink, good market color. Sept. 10 to 15.

**AMERICAN BEAUTY.** A valuable and popular class because of late flowering and large, long-stemmed, attractively incurved flowers. For northern locations flowering dates should be noted to escape early frosts. This class tends to be non-lateral.

**Azure Foiry.** Shade darker than Branching Azure-Blue; large flower, fine commercial color. Sept. 20 to 25.

**Crimson.** Long-stemmed, brightly colored, medium sized flowers. September 15 to 20.

**Deep Rose.** Bright, strong, deep color; large flowered. Sept. 15 to 20.

**Purple.** Large-flowered, rich deep color. Sept. 15 to 20.

**Purple Prince.** (New). Rich deep violet-purple with fine stem and size. A glorified purple Aster. Sept. 15 to 20.

**Shell-Pink.** (September Beauty). Semple Pink color, fair size, long stem. Sept. 25 to Oct. 1.

**White.** Large, long-stemmed, excellent white. Sept. 20 to 25.

**PRICES ON ANY OF THE ABOVE Resistant Asters,**  
**Tr. pkt., 40c; ¼ oz., 50c; 1 oz., \$1.75.**

**CALIFORNIA GIANT.** A most attractive and valuable cut flower class. Extra large, interlaced flowers, extra long-stemmed, and non-lateral.

**Dork Purple.** Rich pure purple, and highly resistant. Sept. 25 to Oct. 1.

Tr. pkt., 50c; ¼ oz., 75c; 1 oz., \$2.50.

**Light Blue.** A most attractive light lavender-blue. A valuable cut flower variety. Sept. 25 to Oct. 1.

Tr. pkt., 50c; ¼ oz., 75c; 1 oz., \$2.50.

#### RESISTANT STRAINS IN MIXTURES

Queen of the Market Mixture	Royal Mixture
Crego and Comet Mixture	King Mixture
American Branching Mixture	American Beauty Mixture

#### Prices on above MIXTURES ONLY:

Tr. pkt., 30c; ¼ oz., 40c; 1 oz., \$1.50.

**All Varieties Mixed.** Resistant. This mixture is all of above double-flowering varieties and should be used for growing plants to sell from flats for home gardeners. Valuable to the producer of such plants because of reduced loss in young plants from rotting.

Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00; 1 lb., \$12.00; 4 ozs. at lb. rate.

**Single Varieties Mixed.** (Ball). A highly resistant strain of single branching type. Attractive for any cut flower work. Colors varying shades of blue, rose and white, with some darker colors.

Tr. pkt., 40c.

ASTERS—Continued

VARIOUS RESISTANT ASTERS

**Aurora Golden Sheof.** Cushioned center type, center petals quilled, with broad outer petals. Color light yellow with deeper shading, flowers long-stemmed and large. We find this highly resistant and of cut flower value. Sept. 15 to 20.  
Tr. pkt., 40c; ¼ oz., 50c; 1 oz., \$1.75.

**Heart of France.** Well known rich scarlet, highly resistant. Sept. 10 to 15.  
Tr. pkt., 40c; ¼ oz., 50c; 1 oz., \$1.75.

**Imbricated Pompons. Violet.** The first Pompon we have gotten into fairly resistant form. This color is next to rose in value for cutting.  
Tr. pkt., 50c; ¼ oz., 75c; 1 oz., \$2.50.

REGULAR AMERICAN ASTERS

We are very certain that the rot-resistant strains are well worth their slightly added cost. For this reason we no longer offer regular varieties that are available in resistant form.

**Imbricated Pompons.** Becoming increasingly popular for cut flower use. Favorable growing conditions, including clean soil, are necessary for this class. Will not draw up long-stemmed without some shelter from full sun. We space them 8 x 8 inches and use wire and string support. We offer only the nicely rounded Pompon type in the following colors:

	Tr.pkt.	¼ oz.	1 oz.
*Rose .....	\$0.35	\$0.65	\$2.25
Light Blue .....	.35	.65	2.25
Light Blue with white center .....	.35	.65	2.25
Crimson with white center .....	.35	.65	2.25
White .....	.35	.65	2.25
Mixture of all colors .....	.25	.50	1.75

**Early Wonder.**

Lavender .....	.25	.50	1.75
Rose .....	.25	.50	1.75
White .....	.25	.50	1.75
Mixed .....	.25	.40	1.50

**Queen of the Market.**

Dark Lavender .....	.25	.30	1.00
*Deep Rose .....	.25	.30	1.00
Rose-Pink .....	.25	.30	1.00

**Royal.**

Lavender .....	.25	.35	1.30
Deep Rose .....	.25	.35	1.30
Rose-Pink .....	.25	.35	1.30

**King Type.**

Lavender. Upright growth .....	.25	.35	1.30
Violet. Branching growth .....	.25	.35	1.30

**American Branching.**

Lavender .....	.25	.30	1.00
Peach Blossom .....	.25	.30	1.00
Peerless Yellow (Golden Sun) .....	.35	.60	2.25

**Single Southcote Beauty.** We are offering this class in place of the Single Chinensis. The Southcote Beauty class is of heavier, stronger growth and better flowering habit. About 6 inches taller than the Chinensis. This class is much used for bedding. For cut flowers we recommend our mixture of singles in resistant form.

	Tr.pkt.	¼ oz.	1 oz.
Dark Blue or Purple .....	\$0.25	\$0.50	\$1.50
Light Blue or Mauve .....	.25	.50	1.50
Rose, light rose or deep pink .....	.25	.50	1.50
Scarlet .....	.25	.50	1.50
White .....	.25	.50	1.50
Finest Mixed .....	.20	.40	1.25

**Californio Giants.**

*Deep Rose .....	.35	.75	2.25
Peachblossom .....	.35	.75	2.25
*White .....	.35	.75	2.25
Mixed .....	.25	.60	1.80

**Sunshine.**

Lavender .....	.25	.50	1.50
Pink .....	.25	.50	1.50
Mixed .....	.20	.40	1.25

**Giant Californio Sunshine.** Under our conditions this class is not of particular value for cutting.

	Tr.pkt.	¼ oz.	1 oz.
Lavender .....	\$0.35	\$0.90	\$3.00
Rose .....	.35	.90	3.00
Shell-Pink .....	.35	.90	3.00
White .....	.35	.90	3.00
Mixed .....	.35	.60	2.25

**\*Boll White.** Finest white Aster. Original stock .....

.35	.50	1.75
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**\*Boltze's Dwarf Bouquet.** Mixed. Fine for pot plants .....

.25	.50	1.50
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**\*Super Giant El Monte.** (New). Extra large crimson-rose. Non-lateral...

.35	.80	3.00
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**\*Super Giant Los Angeles.** Soft shell-pink. Extra large and fully double. One of the very choicest and finest Asters in cultivation .....

.35	.75	2.50
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Shows type of both Super Giants El Monte and Los Angeles. Stems are quite long and non-lateral. Under favorable conditions will produce 6- to 8-inch flowers. Neither variety is rot-resistant.

## EXCELLENT PETUNIAS

The Petunia could well be considered as our National Flower. It thrives in every state, is easily grown from seed, and is available in the widest variety of forms and colors. Petunias are No. 1 florists' bedding plants. If cost of production figures were available, chances are such seed produced plants as Petunias would be found quite profitable and often carrying the loss on such stock as Geraniums.

The past summer's drought exposed Petunias to a severe test. The result has strongly brought out the fact that some varieties are naturally weaker in growth than others and, therefore, not so well suited to outdoor bedding conditions. We line out in our trial grounds every summer all varieties we list, besides many new ones for trial. This gives us a clear chance to note their behavior. These notes are reflected in our descriptions of varieties. We try to make these descriptions accurate and dependable. Petunias and all seed-grown stock will vary some in habit and color. Sometimes this variation is serious and should have been avoided, as in the case of the new Flaming Velvet the past season. However, some, such as Setting Sun or Dwarf Pink Glory, are examples of varieties that do well to be 60% to 70% true; but these varieties are so fine as they are that we must have them. We know very well that the off ones are a loss. Through our trial grounds we try to keep this loss down. Also, through personal inspection of all seed crops in California and Europe, we do all possible to have our stock good and as true as it can be.

**Sowing This Seed.** Much perfectly good live Petunia seed is lost through careless sowing and lack of close after attention. When this happens, it means a double loss. The grower's stock is delayed and gets in late, and his seedsman is usually, and generally unjustly accused of supplying old or dead seed.

The varieties we find the finest and most largely called for are starred. Generally, you will be safe in using these starred varieties, but we realize that demands do vary.

### The "All Double" Strains

The varieties of this valuable class we have found the preferred ones in our past season's trials are listed and described on the inside front cover page. We should add that in their germination the All Double strains are not quite so vigorous as is that of the singles and must be watched accordingly. If you haven't time to watch the germination of this costly seed with care, better turn it over to someone who has.

\***Victarius.** The finely fringed All Double Mixture.

\***Pink Perfection.** (World Beauty). Choice clear carmine-pink. **Loveliness.** Lighter than Pink Perfection with some white. Extra dwarf.

**Amaranth Red.** A very rich color for bedding or pot plants **Snowball.** Clear white fringed.

**White Glory.** Extra large, showy, Peony-flowered white.

**Prices, all varieties:** 1/2 Tr. pkt. (500 seeds), \$1.00; Tr. pkt. (1000 seeds), \$2.00; 3 Tr. pkts., any variety, \$5.00.

We can supply All Double Victorious in bulk at:  
1/64 oz., \$6.00; 1/32 oz., \$11.50.

### Miscellaneous Double Strains

**Giant Double Fringed Madonna.** We are very glad to report this double fringed white greatly improved in proportion of real double fringed. It was our finest double fringed white this season.

1/2 Tr. pkt., 75c; Tr. pkt., \$1.50.

**Double Shepherd's Pride.** A very choice salmon or shrimp-pink. Percentage of doubles is quite low. We suggest working up a stock from cuttings.

1/2 Tr. pkt., 75c; Tr. pkt., \$1.50.

**Double Rasy Marn.** (Carnation-Flowered). Small bright rose. Percentage of carnation-flowered or double in this strain is quite low. Suggest working up a stock from cuttings.

Tr. pkt. (1000 seeds), \$1.00; 1/64 oz., \$1.75.

Probably nine growers out of ten make out all right. For that one that doesn't we will repeat: most seed germination failures are due to plain carelessness, maybe we should say lack of close attention. Covering too deeply, combined with keeping the soil too wet and cold, will smother or rot the seed, especially if the germ isn't extra strong. To be sure that soil won't stay over wet too long, use light sandy material—some peat moss with it will retain moisture without leaving it wet too long and at the same time will prevent drying out too rapidly, except the surface soil that must be watched closely. Cover seed very lightly or not at all; but when not covered, the flat or pan must be protected with a piece of glass. As the seed sprouts, a light dusting with any sterile material such as charcoal may be applied. We furnish a circular with every lot of Petunia seed sent out that details clearly the important points in germinating this seed, also the after care of plants and complete description of the various classes and varieties. Whether or not you order your Petunia seed from us, we gladly send you a copy.



**Ball Dwarf Giants No. 1.** Most uniformly large-flowered dwarf strain of this valuable pot plant class of Petunias.

### The California Giants in Mixture

This extra large flowered open throat class is very generally found valuable for spring selling in 3- to 4-inch pots. Sow in January and February for this purpose, and keep near the glass. Also, don't set the plants on soil, or the roots will work into it quickly, resulting in a tall soft growth. We are certain as we can be that a finer strain of Dwarf Giants does not exist than our **Ball Dwarf Giants No. 1**, reproduced above and in natural colors on the back page of this catalog. Please order by number and name.

\***No. 1. Ball Dwarf Giants.** Most uniformly dwarf strain that is possible to produce. Grown for us under our supervision by an European specialist.

1/2 Tr. pkt., 75c; Tr. pkt., \$1.25; 1/64 oz., \$2.25; 1/32 oz., \$4.00; 1/16 oz., \$7.00.

See other Dwarf Giants on next page.

## CALIFORNIA GIANT MIXTURE—Continued

\***No. 2. Dwarf Giants. Ramona strain.** While not quite so uniformly dwarf as our No. 1, this is a most excellent strain of Dwarf Giants.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$2.75; 1/16 oz., \$5.00.

**No. 6. Dwarf California Giant Eriksson Strain.** This is a very carefully made greenhouse selection of Giants by Ernst Eriksson, Chicago. We supply Mr. Eriksson's seed in his packets at: Tr. pkt., \$1.25.

**No. 3. Giants of California. Medium dwarf.** This is the same true Giant strain as our No. 2 except that the growth is somewhat taller, but it is not a regular tall California Giant. Particularly adapted to outdoor bedding where summers are trying. Fairly dark colors.

Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.75; 1/16 oz., \$4.50.

**No. 4. Giants of California. Medium dwarf, light shades.** This strain is the same as No. 3 except that shades are lighter.

Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.75; 1/16 oz., \$4.50.

**No. 5. Giants of California.** Strictly Giants, of tall habit. The original California Giant strain.

Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.50; 1/16 oz., \$2.50.

## California Giants in Separate Colors

This has the same size, dwarf habit, and open throat as the California Giants in Mixture. All come quite true to color, but the showing up of a few small flowered among them cannot be avoided. When used for bedding, this class calls for fairly enriched soil and occasional thorough watering during dry weather.

\***Salmon Beauty.** Very pleasing shade of salmon-pink. Tr. pkt. only, 75c.

\***Silvery Rose.** (New). Light silvery rose, shading lighter toward the throat. A choice combination of colors. Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

\***Copper Red, Dark.** Rich coppery crimson with dark throat. A very rich color. Tr. pkt., 75c; 1/64 oz., \$1.25; 1/32 oz., \$2.25.

**Copper Red, Light.** Rich old rose or light copper-red. Tr. pkt., 75c; 1/64 oz., \$1.25; 1/32 oz., \$2.25.

**German Empress.** Bluish white with an effectively contrasting dark throat. A striking color combination for bedding. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.50.

**Harlequin.** Coppery scarlet, blotched white. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.50.

**King Alphonso.** Rich crimson-rose, dark throat. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.50.

\***Prince of Wuertemberg.** Deep rose with dark throat. Tr. pkt., 75c; 1/64 oz., \$1.25; 1/32 oz., \$2.50.

**Princess of Wuertemberg.** Attractive rose-pink with veined dark throat. A popular light color. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.25.

**Rheingold.** Large white with yellowish throat. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.50.

**Robin Hood.** Deep rose with dark throat. Edge of petals effectively frilled. Tr. pkt., 75c; 1/64 oz., \$1.50.

## Dwarf Erfurt, or Grandiflora Fringed

For fringed flower and compact growth, this class is most valuable. Setting Sun in this new group continues to vary some, but we are glad to note an improvement in our stock of this every season.

\***Setting Sun.** Brilliant rose, ideal compact growth, and most valuable for pot plants. Our stock of this is grown for us by a German specialist, and we are certain that better stock is not available.

Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

## DWARF ERFURT, or GRANDIFLORA FRINGED—Continued

\***Lace Veil.** Richly fringed dwarf white. The finest white for pot plants. Tr. pkt., 50c; 1/64 oz., \$1.50.

**Gottfried Michaelis.** Rich omaranth-red. A distinct though rather heavy color. Highly effective for bedding. Tr. pkt., 50c.

**Gaiety.** Finely fringed, irregularly colored pink and white. Tr. pkt., 50c.

**Dainty Lady.** Sent out last year as a yellow Petunia, might be called a dark cream, not especially attractive but growth is uniformly dwarf and flowers nicely fringed. Comes quite true to these characters. Tr. pkt., 50c.

**Pepita.** Irregularly colored carmine and white. Beautifully fringed and quite dwarf. Tr. pkt., 50c.

## Grandiflora Single Fringed

Following are the regular varieties in this class. All are of moderately dwarf growth and well fringed.

**Apple Blossom.** Very pleasing light shell-pink. Fine for pot plants, but hardly strong enough in growth to expose to our outdoor summer conditions. Tr. pkt., 50c; 1/64 oz., \$1.25.

**Aurora.** Attractive light rose, veined purple-rose. Tr. pkt., 50c; 1/64 oz., \$1.50.

**Brilliant Rose.** Very effective bright rose. Tr. pkt., 50c; 1/64 oz., \$1.50.

\***Columbia.** (New). A pleasing combination of irregularly marked pink and white. This variety has a distinct upright growth that is quite unlike any other strong growth, and excellent for bedding. Height 16 to 18 inches. Tr. pkt., 50c; 1/64 oz., \$1.50.

**Maculata.** Large-flowered, attractive rose and white. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

**Pink Triumph.** Brightly colored rose-pink, well fringed. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.75.

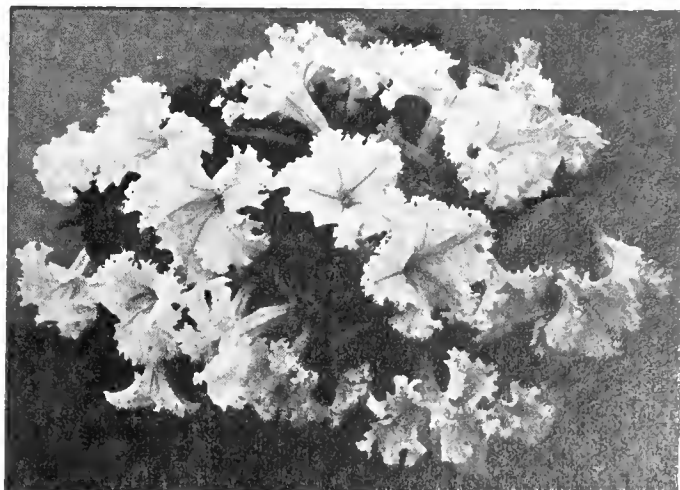
**Pride of Portland.** Well known rose-pink. Tr. pkt., 50c; 1/64 oz., 75c; 1/32 oz., \$1.25.

**Romany Lass.** Richly fringed crimson-rose. Tr. pkt., 50c; 1/64 oz., \$1.25; 1/32 oz., \$2.00.

\***Fringed Royal Purple.** (Marine). Very rich deep velvety purple. Probably the finest in this color class. Well fringed and our strain comes around 80% true. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

**Theodosia.** Rose-pink with gold throat. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.75.

**White Beauty.** Well fringed clear white. Tr. pkt., 50c; 1/64 oz., 75c; 1/32 oz., \$1.25.



Petunia Grandiflora Fringed Lace Veil. An extra dwarf free-flowering fringed pure white.

### Grandiflora Single Fringed Mixtures

These mixtures are particularly valuable for growing young stock in flats, for the flowers are true Grandifloras, nicely fringed, and colorful.

\***Ball Single Fringed No. 1.** This distinct strain is particularly valuable for bedding purposes because of its extra strong growth and very free-flowering habit. Color range is medium light and practically 100% fringed.  
Tr. pkt., 50c; 1/32 oz., \$1.00; 1/16 oz., \$1.75; 1/8 oz., \$2.75; 1/4 oz., \$5.00.

\***Ball Single Fringed No. 3.** A few years ago we were supplied with a double strain that turned out nearly 100% single. We offer it this season as a Grandiflora single strain and recommend it where a more compact growth than our No. 1 is wanted. Of fine size, deeply fringed, and of a color range similar to our Ball No. 1 strain, but with a distinctly more dwarf growth.  
Tr. pkt., 50c; 1/32 oz., \$1.00; 1/16 oz., \$1.75; 1/8 oz., \$2.75; 1/4 oz., \$5.00.

**Grandiflora Single Fringed No. 2.** This is a mixture of the finest named Grandifloras. It provides an interesting and complete color range.  
Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.00; 1/8 oz., \$3.25.

**Fluffy Ruffles.** We offer a well-balanced mixture of this finely fringed strain.  
Tr. pkt., 50c; 1/32 oz., \$1.25; 1/8 oz., \$3.75.

### GRANDIFLORA SINGLE RUFFLED AND PLAIN EDGE

Some of the deservedly most popular bedding and pot plant varieties will be found under this heading.

**Blue Stor.** (New). This new variety was originated by Ernst Eriksson, Chicago. It is described by Mr. Eriksson as a plain edged Grandiflora. The color is Elk's Pride purple, starred white. The white comes fairly dependable. The color combination is very attractive and is new in its class. We supply originator's packets only.  
Tr. pkt., \$1.00.

**Balcony Queen.** Irregularly blotched and marked velvety purple and white.  
Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.75.

\***Dwarf Carmine Glory.** (New). Good size of ruffled flowers. Deep bright carmine-pink, deeper than Pink Glory. Uniformly dwarf and free-flowering.  
Tr. pkt., 75c; 1/64 oz., \$1.50.

**Dwarf Pink Glory.** Of perfect dwarf habit with flowers of glowing deep rose color. About 60% of this very choice variety comes true; balance tall and medium size.  
Tr. pkt., 75c; 1/64 oz., \$1.25; 1/32 oz., \$2.25.

\***Elk's Pride Improved.** We offer an especially selected stock of the original Elk's Pride. Rich velvety purple.  
Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.75.

\***Elk's Pride Dwarf.** (New). We have developed and offer this season a strain that gets up about two-thirds the height of the original stock, otherwise identical to it. This dwarf selection overcomes the rather tall habit of the original stock which is its one objectionable point.  
Tr. pkt., 75c; 1/64 oz., \$1.25; 1/32 oz., \$2.00.



Ball  
Celestial  
Rose

Dwarf  
Pink  
Glory

Ball  
Single  
Fringed  
No. 3

Dwarf  
Giant  
No. 1

All  
Double  
Victorious

### GRANDIFLORA SINGLE RUFFLED AND PLAIN EDGE—Con't.

**Giant Steel Blue.** Light blue with dark veins.  
Tr. pkt., 50c; 1/32 oz., \$1.25.

**Purple Prince.** Medium size, clear deep purple.  
Tr. pkt., 50c; 1/32 oz., \$1.00.

**Queen of the Market.** Attractive deep carmine. The nearest approach to a scarlet Petunia.  
Tr. pkt., 50c; 1/64 oz., \$1.25.

**White Queen.** (New). An extra large ruffled white. We believe this is the most effective white in this class because of its extra size. Improves White Cloud on this point.  
Tr. pkt., 75c; 1/64 oz., \$1.75.

\***White Cloud.** One of the most effective all-purpose white Petunias. Large flowers with finely waved edge, clear white, though occasionally develops a pink line.  
Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.60; 1/16 oz., \$2.75.

**Silver Seam.** Dark blue with edge of petals clearly seamed or lined white, comes quite true to this attractive character. A very effective variety for pot plants, but not vigorous enough for bedding.  
Tr. pkt., 75c.

### BALCONY TYPE

Of heavy, free growth, as profuse flowering as the Hybrids but with larger flowers. Much used for window boxes, though their free flowering and growth makes them valuable for bedding where compact growth is not required.

\***Black Prince.** (New). Rich velvety crimson-red. An outstanding new color in Balcony or Hybrid Petunias and highly effective for bedding. Our stock comes practically 100% true to the velvety crimson color.  
Tr. pkt., 35c; 1/16 oz., 60c; 1/8 oz., \$1.00.

**Blue.** Tr. pkt., 35c; 1/16 oz., 60c; 1/8 oz., \$1.00; 1/4 oz., \$1.80.

**Albo, Crimson, Rose, Royal Purple, Mixed.**  
Each: Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1 oz., \$3.00.

## Dwarf Hybrida

The most popular bedding class because of uniformly dwarf, compact growth.

**\*Boll's Celestiol Rose.** Introduced by us to the American trade, this variety immediately became the heaviest selling dwarf, deep rase bedding Petunia. Improves Rose of Heaven in dwarf habit, color and size.  
Tr. pkt., **35c**; 1/8 oz., **75c**; 1/4 oz., **\$1.25**; 1 oz., **\$4.00**; 2 ozs., **\$7.00**.

**Adonis.** Dark rose with white throat; small free flowering.  
Tr. pkt., **25c**; 1/4 oz., **40c**; 1 oz., **\$1.35**.

**Aldermom.** Clear deep violet-blue.  
Tr. pkt., **35c**; 1/4 oz., **60c**; 1 oz., **\$2.00**.

**Admirol.** Clear mid-blue, wavy edged, varies some in habit and size.  
Tr. pkt., **50c**.

**Blue Bedder.** (Sutton's). Fairly deep blue with some violet.  
Tr. pkt., **35c**; 1/4 oz., **75c**; 1 oz., **\$2.75**.

**Blue Bird.** Deep velvet blue.  
Tr. pkt., **35c**; 1/4 oz., **75c**; 1 oz., **\$2.50**.

**\*Blue Perfection.** Medium shade of dark blue.  
Tr. pkt., **35c**; 1/4 oz., **\$1.00**; 1 oz., **\$3.75**.

**Cockotoo.** Violet irregularly marked white.  
Tr. pkt., **35c**; 1/8 oz., **75c**; 1/4 oz., **\$1.25**.

**\*Dwarf Howard's Stor.** (New). About two-thirds height of regular stock, also differs in being a rich dark crimson with white star. Distinctly attractive and valuable for bedding. Decidedly better than the regular stock.  
Tr. pkt., **35c**; 1/8 oz., **80c**; 1/4 oz., **\$1.50**; 1 oz., **\$5.00**.

**\*Heavenly Blue.** Reselected. Medium to light blue, a shade darker than Silvery Blue. Our strain of this is uniformly true to color and dwarf.  
Tr. pkt., **50c**; 1/8 oz., **\$1.00**; 1/4 oz., **\$1.75**; 1 oz., **\$6.50**.

**\*Normo.** Violet-blue, white star; extra choice dwarf bedding variety.  
Tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.50**.

**Rose of Heaven.** Well known rose-pink.  
Tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

**Rosy Morn.** Fairly deep rose with white throat.  
Tr. pkt., **35c**; 1/4 oz., **75c**; 1 oz., **\$2.50**.

**Senotor.** Violet, white throat, fairly dwarf.  
Tr. pkt., **35c**; 1/4 oz., **75c**; 1 oz., **\$2.50**.

**\*Senotor—Extro Dwarf.** (New). Differs from above in being darker or purple with white throat and quite dwarf. A small extra dwarf blue Petunia.  
Tr. pkt. only, **40c** each.

**\*Silver Blue.** A choice light or silvery blue, dwarf, compact growth and uniform in color.  
Tr. pkt., **50c**; 1/4 oz., **\$1.50**; 1 oz., **\$4.50**.

**\*Silvery Liloc.** (New). This is a Heavenly or Silvery Blue with lilac shading. We believe this will be generally preferred to Heavenly Blue. Comes quite true to color.  
Tr. pkt., **35c**; 1/8 oz., **\$1.00**; 1/4 oz., **\$1.75**.

**Snowboll.** A fine uniform white for bedding.  
Tr. pkt., **25c**; 1/4 oz., **40c**; 1 oz., **\$1.50**.

**Violacea.** Dwarf rich violet.  
Tr. pkt., **25c**; 1/4 oz., **40c**; 1 oz., **\$1.50**.

**Dwarf Hybrida Mixed.** All colors.  
Tr. pkt., **25c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

## HYBRIDA—TALL

This class is not dwarf or compact, making a fairly heavy growth with flowers fully as large as the Dwarf Hybridas. Some varieties, such as Rose King Improved and Flaming Velvet, are larger than some of the Dwarf Hybridas. This low priced class is well used for bedding, growing young stock in flats, combinations, or porch boxes.

**Floming Velvet.** Velvety crimson. Sent out last season, has proven somewhat variable in color, producing a few General Dodds shades. However, the velvety crimson color predominates, giving to this variety as is, a most attractive effect. Tr. pkt., **25c**; 1/4 oz., **\$1.25**; 1 oz., **\$4.00**.

**\*Rose King Improved.** Fairly deep clear rose-pink, about the shade of Rose of Heaven, with a light golden throat. For size, vigorous growth, and free flowering, this variety is outstanding in its class.  
Tr. pkt., **25c**; 1/4 oz., **75c**; 1 oz., **\$2.50**.

**\*Howard's Stor Improved.** Medium tall, velvety crimson with white stars. Our strain of this comes fully 95% true under the same conditions that the ordinary strain will come largely without stars. One of the most attractive bedding Petunias. Tr. pkt., **35c**; 1/4 oz., **\$1.00**; 1 oz., **\$3.00**.

	Tr. Pkt.	1/4 oz.	1 oz.
<b>Albo.</b> Clear white . . . . .	<b>\$0.15</b>	<b>\$0.25</b>	<b>\$0.75</b>
<b>Blue Bee.</b> Violet-blue . . . . .	<b>.25</b>	<b>.40</b>	<b>1.50</b>
<b>Cormen Sylvo.</b> Violet, white throat. . . . .	<b>.20</b>	<b>.40</b>	<b>1.25</b>
<b>Countess of Ellsmere.</b> Rose, white throat. . . . .	<b>.15</b>	<b>.25</b>	<b>.75</b>
<b>General Dodds.</b> Velvety rose-red . . . . .	<b>.25</b>	<b>.40</b>	<b>1.50</b>
<b>Inimitable.</b> Carmine striped white . . . . .	<b>.25</b>	<b>.40</b>	<b>1.50</b>
<b>Lord Courtenay.</b> Rich rose with gold throat . . . . .	<b>.20</b>	<b>.35</b>	<b>1.25</b>
<b>Violet Gem.</b> Deep violet . . . . .	<b>.25</b>	<b>.40</b>	<b>1.50</b>
<b>Exquisite Mixed.</b> All colors . . . . .	<b>.25</b>	<b>.50</b>	<b>1.50</b>

## VARIOUS TYPES

**Mortho Woshington.** Of extra dwarf, spreading, compact growth, making it ideal for bedding or edging. Medium size, slightly ruffled flowers of light blush color with reddish dark throat. An excellent variety.  
Tr. pkt., **50c**; 1/32 oz., **\$1.50**.

**Rose Gem.** Clear deep rose-pink, small flowers, very freely produced. Growth quite dwarf and well rounded. This is a choice type, particularly for edging; but we find the growth somewhat weak for such trying summers as our last one.  
Tr. pkt., **35c**; 1/32 oz., **75c**; 1/16 oz., **\$1.40**.

**Pink Gem.** Identical to Rose Gem but light pink color.  
Tr. pkt., **25c**; 1/4 oz., **75c**; 1 oz., **\$2.75**.

**Parviflora.** Of very dwarf spreading or creeping habit, very small flowers. A valuable cover plant for cemetery work, also for rock gardens or similar dry locations.  
Tr. pkt., **25c**; 1/4 oz., **50c**.

**DIENER'S VARIETIES.** Supplied in Diener's packets.

	Tr. Pkt.	1/64 oz.
<b>No. 1. Ruffled Monster Pink . . . . .</b>	<b>\$0.50</b>	<b>\$2.50</b>
<b>No. 2. Ruffled Giant Flesh-Pink. With deep center . . . . .</b>	<b>.50</b>	
<b>No. 5. Ruffled Monster Red . . . . .</b>	<b>.50</b>	
<b>No. 8. Ruffled Monster Mixed . . . . .</b>	<b>.50</b>	<b>2.50</b>
<b>No. 11. Ruffled Monsters. Blue, semi-dwarf. . . . .</b>	<b>.25</b>	
<b>No. 19. Giant Pink Glory. Improved Pink Glory. . . . .</b>	<b>.50</b>	<b>2.50</b>
<b>No. 20. Mouve Ruffled Monster Type . . . . .</b>	<b>.50</b>	
<b>No. 22. Rose Color. Improved Rasy Morn. . . . .</b>	<b>.25</b>	
<b>No. 47. Jumbo Mixture. A select Giant Mixture . . . . .</b>	<b>1.00</b>	

# LATE or SUMMER SWEET PEAS

**T**HIS late flowering or original class can be grown outdoors with profit in nearly every section of America if—

**Sown Early, Watered Thoroughly  
When Dry and Kept Free of Aphis.**

These are fundamental and necessary requirements. In our latitude the heat of mid-July usually finishes them. We then sow the space in Zinnias. We get a profitable crop of these Peas by sowing early in January. After they are up we carry along cold, potting them early in March and planting out after hard frosts are over. We begin picking June 5-15, according to the season, and we seldom fail to make a profit on them. Sowing outdoors in the fall is next best plan, and works well especially further south than our latitude. Also we have noted good results in this latitude from sowing outdoors early as possible. When provided with supports they will produce more flowers and growth but we have seen them producing freely, with straight stems, unsupported, just letting them sprawl over the ground. Another quite profitable use for the late class is to sow them with the early kind. This should only be done with the Earlies started later. Plant Late seedlings about 8 inches apart in the Early row. The Lates will not climb up with the Earlies, but will break out freely and not start climbing up until the Earlies begin to weaken after which the Late growth will gradually overwhelm the passing Earlies and produce a heavy crop of flowers during late May and early June when Peas are usually scarce and wanted. This plan will not work in Florida or where real warm weather sets in after the Earlies are finished, neither will it do in Canada or any section where absence of high temperature permits late sown early kinds to hold up in good shape well through June.

## Some Choice New English Varieties

As a rule cut flower growers should stay close to three or four strong standard colors. But variety is valuable. We have selected five recently introduced English varieties that we know will be found choice if at all well grown.

**Springtime.** Silvery white, suffused rose. Very attractive cut flower color combination.

**Loveliness.** Rich rose-pink on cream. Extra large and choice for cutting.

**Mavis.** Rich salmon-cerise with orange shading, partly duplexed and sunproof.

**Fiancee.** Soft salmon-pink on white. A choice cut flower combination.



If started early, kept free of green-fly, and watered as needed, we have found the late class a profitable crop nearly every season for the past 25 years.

**Chinese Blue.** A solid bright blue; the brightest and, we believe, the best blue variety.

**Headlight.** Scarlet shaded deep cerise and orange. Sunproof and highly attractive.

**Price of any:** 1/2 oz., 25c; 1 oz., 40c; 4 ozs., \$1.25; 1 lb., \$4.00.

## Standard List Late or Summer Peas

\***Ambition.** Finest deep lavender.  
**Ascot.** Medium light clear pink.  
**Austin Frederick Imp.** Large rosy lavender.  
 \***Avalanche.** Finest white-seeded white.  
 \***Beatall.** Sparkling pink, suffused salmon.  
**Blanche Ferry.** Rose and white bicolor.  
**Blue Bird.** The finest clear blue.  
 \***Blue Flame.** Deep blue.  
 \***Bonny Briar.** A distinct improvement on Pinkie in depth of color.  
**Campfire.** Sun-proof deep scarlet.  
**Chieftain.** Rich satiny mauve.  
**Commander Godsall.** Deep violet-blue.  
 \***Constance Hinton.** Black-seeded white.  
**Crimson King.** Fine sun-proof crimson.  
**Debutante.** Soft salmon-shaded peach-pink.  
**Doreen.** Large rich carmine.

**Elfrida Pearson.** Clear light pink.  
**Fluffy Ruffles.** Cream-pink.  
**Giant White.** Pure white.  
**Gigantic.** The largest and finest black-seeded white.  
**Gleneagles.** Clear even lavender.  
**Hawthorn Lavender.** Finest light lavender.  
**Hawthorn Pink.** Rose-pink, shaded salmon.  
 \***Heavenly Blue.** Delphinium-blue.  
**Hebe.** The finest large rose-pink.  
**Hercules.** Standard deep rose-pink.  
 \***Hero.** Cerise.  
**Lady Loch.** Light blush-pink, flushed salmon, extra large, and of cut flower value.  
**Lady Ruffles.** Large ruffled soft pink.  
**Magnet.** An improved Miss California.  
**Mary Pickford.** Fine cream-salmon-pink.

**Mastercream.** Black-seeded, extra large cream.  
**Matchless.** Deep cream.  
**Miss California.** Large salmon-rose.  
 \***Model.** Best black-seeded white.  
**Mrs. Cuthbertson.** Pink and white bicolor.  
**Olympia.** Deep purple.  
 \***Pinkie.** The finest rose-pink, strong grower.  
 \***Pinnacle.** Deeper rose-pink than Pinkie; a fine commercial color.  
 \***Powerscourt.** Finest lilac-lavender.  
**Royal Purple.** Large rich purple.  
**Royal Scot.** Sun-proof orange-scarlet.  
**Supreme.** Soft delicate pink.  
**The Clown.** Crimson and white.  
**Warrior.** Deep bronze-maroon.  
 \***Welcome.** Deep bright scarlet, sun-proof.  
**Youth.** Light picotee-pink.

**Prices on all above standard varieties:** 1 oz., 20c; 4 ozs., 60c; 1 lb., \$1.75.

**Boll Florist's Mixture:** 1 oz., 15c; 4 ozs., 50c; 1 lb., \$1.25; 5 lbs., \$5.00.

# EARLY or WINTER SWEET PEAS

Sow during January and February

**D**O NOT overlook the fact that the early class can be sown to advantage in our latitude up to February 15th and later. Late sowings should be spaced closer, two or three rows together in place of one or two as for the earlier sowings. This for the reason that the growth hasn't time to become so heavy or make more than four to six feet of height. A January or early February sowing will usually make Easter and be in fine shape for Mother's Day. Such a late planting will, of course, not be so long-stemmed as an earlier one, for the reason that it is forced into flower by spring weather before it develops a strong growth. The value of planting a few late flowering kinds with this late sowing of Earlies should not be missed, for they will double the crop and carry it well into June, when worth-while Peas are usually scarce. And here is another good use for the early class. If sown outdoors under the protection of cloth, around June 1st in our latitude, they can be had in full crop from September until cut down by frost. This crop gets up 5 to 6 feet and we support it as we do under glass. Regular spraying to keep down aphids is highly important with this sowing, also watering.

We have been specializing in early Peas under glass for over 25 years. Our experience is at your service. We are not only interested in improving varieties, but annually test the new ones of all responsible growers. Only such as have practical florists' value find their way on our list.

Starred (\*) varieties are our choice of the best standard cut flower kind for florists.

## Our Suggestion for the 12 Best Varieties is as Follows:

	1/2 oz.	1 oz.	4 ozs.	1 lb.
<b>Ball Orange Improved.</b> (New). Clear deep glowing orange. 1/4 oz., 30c .....	\$0.50	\$0.75	\$2.75	
<b>Ball Rose Improved.</b> Attractive clear deep rose .....	.25	.40	1.50	4.75
<b>Ball's White.</b> Long-stemmed white-seeded. ....	.25	.40	1.50	5.50
<b>Josie.</b> Long-stemmed clear rose-pink ....	.20	.35	1.30	4.00
<b>Success.</b> Extra bright deep rose-pink ....	.20	.35	1.30	4.50
<b>Sequoia.</b> Large deep rose shaded salmon ..	.25	.40	1.50	4.75
<b>Boon.</b> Rich even salmon rose-pink .....	.30	.50	1.75	6.50
<b>Bridesmaid.</b> Extra large light rose or silvery pink .....	.30	.50	1.75	6.50
<b>Harmony.</b> Fine long-stemmed lavender ...	.20	.35	1.30	3.50
<b>Hope.</b> Long-stemmed black-seeded white..	.20	.35	1.30	4.00
<b>Mrs. Hoover.</b> Large-flowered, dark blue ..	.20	.35	1.30	3.50
<b>Triumph.</b> Long-stemmed large lilac-mauve	.30	.50	1.75	6.50

**In ordering Sweet Pea Seed don't forget that there are two distinct classes, Early or Winter-flowering and Late or Summer-flowering. State which is wanted.** If you are not familiar with the best kind and wish us to make selections for you, we shall gladly do so.



House of Our New Sweet Pea Ball White



Gold Medal Awarded Our "Ball Orange" Winter Sweet Pea—All Pure Orange Varieties Burn Badly Outdoors

## WINTER PEAS—GENERAL LIST

The following list does not include the twelve varieties described above.

Starred (\*) varieties are our choice of the preferred cut flower kinds.

**American Beauty.** Extra large, long-stemmed American Beauty Rose.

**Amethyst.** Rich bright purple.

**Annie Laurie.** Bright shade of rose-pink. Medium size.

**\*Apollo.** Salmon-cerise, long-stemmed. Fine for spring.

**Attraction.** Rich salmon-rose, long-stemmed.

**\*Aurora.** Orange-scarlet striped. Novelty color. Fine.

**Ball's Blue.** Bright mid-blue, extra free flowering.

**\*Ball Orange.** The standard clear deep orange.

**\*Ball Rose.** The finest rich deep rose.

**Ball Rose Queen.** Extra long-stemmed rose-pink.

**Blue Bird.** Mrs. Hoover is better.

**Bright Light.** Vivid orange-scarlet.

**Burpee's Orange.** Light shade. Ball Orange is better.

**Cattleya.** (New). Attractive rosy lilac.

**Chevalier.** Dark rose.

**Columbia.** Pink and white bicolor.

**\*Eileen.** Rich deep pink, large and long-stemmed.

**Eldorado.** Light orange.

**\*Eleanor Blue.** Light blue, for spring flowering only.

**Fascination.** Attractive cream-pink.

**Flamingo.** Orange-salmon. Long-stemmed.

**Forty-niner.** Bright orange, cerise shading.

**Fragrance.** Orchid-lavender, prefer Harmony.

**Giant Rose.** Well-named but not long-stemmed.

**Glitters.** Pride much better.

**Grenadier.** Poppy-scarlet. Rather heavy shade.

**Harlequin.** Bicolor chocolate. Attractive novelty.

**\*Heather Bell.** Rosy lavender, medium size but free.

**\*Indigo Blue.** Dark shade of clear blue.

**\*Jeanne Mamitsch.** Clear rose, long stems.

**Laddie Improved.** Extra long-stemmed rose, large.

**Lavanda.** Clear lavender.

**Louise Gude.** Bright rose, medium size.

**Majestic Rose.** Fairly deep rose-pink. Preferred by many growers.

**Maroon Prince.** Dark maroon, rather heavy.

**\*Mauve Beauty.** Rich clear mauve.

**Michigan.** Large lavender.

**Mrs. Calvin Coolidge.** Salmon-pink.

**\*Mrs. Holscher.** Very good rose-pink.

**Mrs. Kerr.** Salmon.

**Oriental.** Black-seeded cream.

**Pink Cherokee.** Cream-pink.

**Pink Profusion.** Rose-pink.

**\*Pride.** Extra long-stemmed brilliant cerise.

**\*Prosperity.** Soft glowing rose-cream.

**Red Bird.** Crimson-red.

**Snowstorm.** Prefer black-seeded kind, medium stem.

**Springsong.** Large rich salmon-pink, medium stem.

**\*Sunray.** Light cerise, fine long-stemmed.

**Susanna.** Carmine-red, rather heavy.

**Torch.** Orange-salmon.

**Vogue.** Light bluish lavender.

**Vulcan.** Prefer early Bright Light.

**\*White Harmony.** Extra long-stemmed black-seeded.

**Zvolanek's Rose.** Laddie is much better.

**Ball Early Pea Mixture.** A combination of above colors including a large proportion of the standard kinds.

Any above priced at: 1/2 oz., 20c; 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$3.40; 2 lbs., \$6.65.

# STOCKS

Sow January and February for a May and June Crop.

**S**TOCKS, like most spring flowers, are at their very best when flowered under spring conditions. About 4 months of after-January weather will flower them from seeding. Five months of winter weather is necessary. Also, loss through soft or wilting flowers that causes some grief during dark winter months is forgotten with increasing sunshine; and during these months they are grown with perfect safety on a deep ground bed, as far as soft growth is concerned. Also, when started during the cool months, we experience less loss through a black stem rot than we do during the hot summer months, but don't take too long a chance on this.

If soil for the preceding crop was sterilized or changed during summer when it should have been, chances are it will be all right for Stocks. This crop enjoys a fairly well-enriched soil, but do not turn under too much rotted manure. If such manure was freely used for the preceding crop, the chances are that the soil for Stocks, or most other crops, will produce better results if it is thoroughly saturated with hot water and no further manure applied. After the plants get into good growth, say 8 to 10 inches tall, a light application of a balanced fertilizer should be applied. Three to four weeks later, or as the buds set, we find they will stand another of acid phosphate.



Our Non-Branching Ball White hit it just right for Easter, 1935. Sown November 1st, run quite cool, about 40- to 45-degree nights, will stand some forcing if necessary. We found this a nice Easter crop.

Our Bulletin No. 6 quite covers the details of growing Stocks. We will gladly send you a copy.

## BALL NON-BRANCHING STOCKS

We are sure no retail business should overlook the value of this fine class. When well grown, they are sensationally fine, particularly for work colling for long stems and flower spikes.

As growers for a highly competitive wholesale market, we can state from experience that they will be found more profitable than the Branching class.

The cultural requirements of both are identical, except that the Non-Branching must be planted closer. You will find all details for their successful growth fully covered in our Bulletin No. 6.

Please order by number and avoid possible error.

**No. 1. Lilac Lavender.** Most valuable cut flower color in any market. Medium long-stemmed and fairly early flowering. Proportion of doubles 65-70%.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/4 oz., \$2.25; oz., \$8.00.

**No. 2. Ball White.** This variety belongs to the Champion Long-Stemmed Column class. Under some conditions the flowers will be faintly tinged blush, not enough, however, to prevent its use as a clear white. Its extra long stem requires about a week longer to develop than Lilac Lavender. Proportion of doubles 60-62%. One of our finest market varieties. We have an ample supply of seed of this variety.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/4 oz., \$2.25; oz., \$8.00.

**No. 11. Ball's Pink.** (New). Exact color of Bismarck Rose, clearly describes this new color in Non-Branching Stocks. Individual flowers are large and well placed on the stem that is medium long, about like Lilac Lavender. Proportion of doubles about 60%. Will produce 3 to 4% rogue colors. We have been working four years truing up this new color, and we are confidently pleased to offer it. Stock limited.

Tr. pkts. only, \$1.00.

**No. 14. Rose Pink.** (New). As noted in the California seed fields, the color of this new deep rose variety is several shades lighter than our American Beauty, deep rose. We have not tried it out under glass, but we believe it will prove a good deep rose-pink cut flower variety—individual flowers quite large; a true non-branching. Immediate delivery.

1/2 Tr. pkt. (about 800 seeds), 75c; Tr. pkt., \$1.50.

**No. 12 Snowbank.** (New). This is the result of three years' selection work by us for a Non-Branching pure white. The flowers are not so closely spaced on the stem as is our Ball White; medium long-stemmed and early flowering. Has come 65% double for the past two years.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/4 oz., \$2.50; oz., \$8.00.

**No. 3. Ball's Blue.** (New). Clear dark lilac-blue with the same habit and percentage of doubles that characterizes our strain of Lilac-Lavender from which we developed Ball's Blue through selections. Though somewhat dark, our market likes this new color in Column Stocks. Proportion of doubles around 70%.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/4 oz., \$2.50; 1 oz., \$10.00.

**No. 4. Ball White Dwarf.** This strain is about two-thirds as long-stemmed as our regular Ball White with a higher proportion of doubles, being around 65%.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00.

**No. 5. Ball White Extra Dwarf.** Under ordinary growing conditions this selection from our Ball White is rather short-stemmed for cut flower work but just right for use as a pat plant.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00.



Medal Awarded "Ball Stocks"  
S. A. F. National Show, 1931

## BALL NON-BRANCHING STOCKS

**No. 6. American Beauty.** A true deep American Beauty rose, fairly long-stemmed and strictly non-branching. While this rather heavy color is not wanted in quantity, some of it adds interest and value to a shipment of these Stocks. Around 65% double.

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$2.25; oz., \$8.00.

**No. 7. Malmaison Pink.** This belongs to the Champion Long-Stemmed class. Light shell-pink color, supplies a pleasing variation in the colors of this class. About 55% double.

½ Tr. pkt., 60c; Tr. pkt., \$1.00.

**No. 8. Ruby.** Rich crimson-red and fairly long-stemmed. We regret to admit that our own grown supply of this was short last season. We secured stock from a most dependable California grower of Stocks. This proved to be a rather short-stemmed strain and not the true one. We now have a supply of the true-long-stemmed strain of our own growing. 65% double.

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$2.25; oz., \$8.00.

**No. 9. Chamois Pink.** Apricot or chamois-pink. We find it a choice cut flower color. Of more compact or shorter-stemmed habit than Lilac-Lavender but plenty long-stemmed for cut flower work. Earliest flowering variety in this class. Chamois Pink is strongly inclined to revert to singles. For this reason all our seed is produced by us through single plant selections. Through this plan we find that 15% of the selections turn out 100% single. By retaining only the better selections

we have produced a seed supply that the past winter was 55% double. Excellent variety for spring flowering because of color and early flowering habit.

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$2.50; 1 oz., \$10.00.

**No. 10. Ball Mixture.** We offer an attractive mixture of Non-Branching Stocks. This is made up of all the above colors, except our new Ball Pink, fully half being Lilac-Lavender and our Ball White. This mixture should be attractive to retail growers wanting a limited amount of all colors.

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$2.25; 1 oz., \$8.00.

## BRANCHING STOCKS

A retail grower should be well supplied with this class of Stocks. When topped at a height of 6 to 8 inches, they freely produce moderately long-stemmed flowers. We also recommend what we find a better plan that calls for spacing them about 6 x 6 inches and carrying them along until buds are set far enough to distinguish the singles, which should then be removed and the doubles topped back about one-third. The empty spaces left by the removed singles will be well filled by the better spreading of the doubles.

Also, the Branching kind can be spaced close as suggested for the Column type and used for single-stem flowers. This plan permits them to branch only about the top of the plant, and the breaks should, of course, be removed. This plan provides good long-stemmed Stocks, but individual flowers are not so large, neither are they so well spaced as are most of the regular Non-Branching varieties.

Among the Branching classes the Bismarcks are distinctly superior, most varieties being fairly early flowering with a fine proportion of doubles. California growers are developing Super Giant Imperials or California Giants. These strains are extra strong, long-stemmed Bismarcks of which Santa Maria and Shasta are examples. We are this winter trying out a number of new colors in this class. The result of these trials will be found in our July 1st or summer catalog.

Stars (\*) indicate varieties we find best for cut flowers.

### IMPROVED BISMARCKS

**Antique Copper.** Fine copper-red.

**Apple Blossom.** Light pink.

**Blood-Red.**

\***Chamois.** Choice market color.

**Elk's Pride.** Rich deep purple.

**Flesh.** Delicate shade of pink.

**Golden Boll.** Clear ivory-yellow.

**Golden Rose.**

\***Lavender.** A standard color

\***Lilac.** Lilac-lavender.

\***Rose.** Fine standard color.

**White.** Early; clear white.

\***Shosta.** New giant white.

\***Buttercup.** Deep yellow. Strong growth.

\***Santo Maria.** A giant new pure white; long-stemmed and good percentage of doubles.

Prices each: Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Mixed. All colors. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

### TEN WEEK

This class is of compact branching habit.

**Blood-Red.** **Canary-Yellow.** **Purple.** **Deep Rose.** **Lavender.**  
**Carmine-Pink.** **White.**

Prices each: Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.00.

Mixed. All colors. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

### BEAUTY OF NICE

**Mant Blanc.** Clear, extra early white.

**Mante Carla.** Rich canary-yellow.

\***Aurora.** Golden buff; fine.

**Beauty of Nice.** Flesh-pink.

\***Cote d'Azur.** Light or lavender-blue.

**Summer Night.** Extra early purple.

**Sau de Manaca.** Best crimson; late.

**American Beauty.** Deep rose.

\***Queen Alexandra.** Rosy lilac; fine.

Prices each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

**Mixed.** All colors. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### PERPETUAL BRANCHING

(Giant Perfection)

\***Rose.** A clear even shade.

**Sapphire.** Violet or dark lavender. (Identical to dark blue).

**May Queen.** Lavender or pale blue.

**Snowdrift.** Fine clear white.

**Princess Alice.** Early white.

**La France.** Blush, nearly white.

\***Heatham Beauty.** Terra-cotta-rose; very fine.

\***Empress Augusta Victoria.** Silver-lilac and very fine.

**Blood Red.** Not a standard market color.

**Dark Blue.** A rather heavy color.

Prices each: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

Mixed. All colors. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.



# SNAPDRAGONS

THE most serious enemy of outdoor or summer Snapdragons is rust. With this overcome in the new Rust-Proof strains to the extent of 80 to 90 per cent, outdoor Snaps for summer cutting should very much interest the retail grower. Also note that some of the following list are quite dwarf, giving them value for bedding. However, some of the finest bedding varieties noted in Florida the past season were of the tall Maximums. The Half Tall kind, especially the Majestic class, are quite ideal for bedding purposes. In the north, Snaps will draw up a better stem and with cleaner flowers if protected from the hot sun and wind with a cloth house, and, of course, they must be watered.

## New Rust-Proof Snapdragons

The new rust-resistant varieties have been produced through crossing the standard kinds with more original, and entirely rust-proof strains. Much crossing and recrossing was necessary to accomplish this valuable work. While these strains are almost 100% rust-proof under conditions that destroy the old strains, they cannot be expected to be 100% true to color, but they are 80% to 90% so.

**Majestic Dainty.** Soft rose-pink with flowers closely placed on fairly long spikes. Early, but not winter-flowering, and one of the best.

Tr. pkt., 75c; 1/16 oz., \$1.25; 1/8 oz., \$2.25; 1/4 oz., \$4.00.

**Majestic Silver Pink.** Fairly deep rose-pink with a white blotch on lower lip. Similar color to the old forcing Silver Pink. Another early flowering kind and valuable for summer cutting.

Tr. pkt., 75c; 1/16 oz., \$1.25; 1/8 oz., \$2.25; 1/4 oz., \$4.00.

**Daffadil—Maximum Type.** A two-toned yellow, with a bicolor effect that gives it attractive value as a yellow, particularly for summer cutting because of its fine long stems.

Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.00.

**Wallflower Red.** A large-flowered, long-stemmed, clear wallflower soft red, somewhat original in Snapdragons. Our field report on this reads "Extra fine soft cut flower color."

Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.00.



Rust-Resistant type as grown in California shows the possibilities of Snapdragons for outdoor growing. We have noted these varieties wintered over outdoors about Philadelphia with the protection of straw covering.

We are introducing three new varieties from California this season that we personally inspected, and as growing in California, are highly rust-resistant and particularly attractive for cutting or bedding.

**Light Salmon Pink.**

**Orange Pink.**

**Terra Cotta Pink.**

Supplied in pkts. only, 25c each. 1 pkt. each variety for 60c.

## 1936 Rust-Resistant Varieties

### Of last Season's Introduction

**Alaska.** Of tall, strong growth, long-stemmed. A very good white, though with some cream shading.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.00.

**Buttercup.** Rather light or canary-yellow. Fairly tall and nice for cutting.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$3.75.

**Campfire.** Bright scarlet with yellow lip.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.00.

**Defiance.** Bright scarlet-red. Rather tall. Valuable for either cutting or bedding.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.50.

**Fair Lady.** Tall, long-stemmed growth; light rose-pink, fairly uniform in color. Good for cutting.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.00.

**Golden Orange.** Medium to rather dwarf or compact in growth. Light golden orange. For bedding only.

Tr. pkt., 25c; 1/8 oz., 80c; 1/4 oz., \$1.35; 1 oz., \$4.50.

**Indian Girl.** Brownish orange and yellow, giving an old gold effect. Rather dwarf. Attractive for bedding.

Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

**Loveliness.** (Maximum). Pure soft rose-pink. Fine for cutting. 3 feet.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.00.

**Wildfire.** Orange-scarlet with yellow lip. Rather dwarf, valuable for bedding.

Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

**Maximum White.** Long-stemmed, clear white and a fine variety for summer cutting.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.50.

**Maximum Yellow.** Same as the above white, except clear yellow.

Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.50.

**University of California Mixture.** All colors.

Tr. pkt., 25c; 1/4 oz., 75c; 1/2 oz., \$1.25; 1 oz., \$2.00.

## Standard Outdoor Varieties

Not Winter-Flowering  
or Rust-Resistant

### HALF-DWARF.

	Tr. pkt.	1/4 oz.
<b>Climax.</b> Bronze-orange .....	\$0.20	\$0.40
<b>Fawn.</b> Terra cotta .....	.20	.40
<b>Flame.</b> Fiery bright scarlet ...	.25	.50
<b>Gloria.</b> A good pink .....	.20	.40
<b>Purity.</b> Pure white .....	.20	.40
<b>Mixture</b> .....	.20	.40

### HALF-TALL.

<b>Empress.</b> Velvety crimson ....	.20	.40
<b>Golden Queen.</b> Deep yellow ...	.20	.40
<b>Harmony.</b> Rose with yellow center .....	.20	.35
<b>His Excellency.</b> Brilliant orange-scarlet .....	.20	.40
<b>Orchid.</b> Lavender-mauve ....	.25	.50
<b>Mixture.</b> (Rust resistant) ...	.20	.40

### TALL—EXTRA LARGE FLOWERED.

<b>Apricot Beauty.</b> (New). Apricot-pink. Quite large with flowers closely set on the stem. Choice for spring flowering. 1/8 oz., 60c .....	.35
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<b>Engarde.</b> Coral-pink and amber, long-stemmed and fine for outdoors .....	Tr. pkt. 1/8 oz., 60c. \$0.35
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### TOM THUMB VARIETIES.

Very dwarf, 6 inches, for pots and bedding. Growth weak under midsummer conditions.

	Tr. pkt.
<b>Alba.</b> White .....	\$0.35
<b>Brilliant.</b> Crimson .....	.35
<b>Mixed</b> .....	.25

### MAXIMUMS.

An extra strong growing class with long stems. Much used for cutting. Tr. pkt. 1/4 oz.

<b>Appleblossom.</b> Delicate pink, white throat .....	\$0.20	\$0.40
<b>Canary Bird.</b> Light yellow ....	.20	.40
<b>Cattleya.</b> Mauve-pink .....	.20	.40
<b>Copper King.</b> Heavy copper-red ..	.20	.40
<b>Ruby.</b> Rich heavy red .....	.20	.40
<b>Snowflake.</b> White .....	.20	.40
<b>The Rose.</b> Clear rose .....	.20	.40
<b>Mixture.</b> .....	.20	.40

### MAJESTICS.

An extra large-flowered class of fairly compact growth. Fine for spring flowering if started early enough to draw up the stems.

	Tr. pkt.	1/8 oz.
<b>Golden Dawn.</b> Glorified After-glow .....	\$0.50	\$0.80
<b>Orange King.</b> Bright orange ..	.50	.80
<b>Twilight.</b> Golden tan-yellow ..	.50	.80
<b>Rose Beauty.</b> Rich rose-pink..	.50	.80
<b>Evensong.</b> Buff or chamois-pink. Extra large flowers...	.50	.80
<b>Fair Lady.</b> Light rose or flesh-pink. Clear self color and valuable for cutting. Extra large .....	.50	.80
<b>Mixture.</b> 1/4 oz., 50c .....	.25	

All Majestic varieties are valuable for cutting if planted early, not later than January.

## Winter Flowering Snapdragons

Our seed of all Forcing Varieties, except Novelties, is produced by us in our greenhouses. We find it necessary to do this to insure trueness to color. A flowering test has been made of every lot of Snapdragon seed we send out (except Novelties). We, of course, keep close check on germination, and we guarantee our trade packets to produce 500 to 1,000 seedlings if sown and looked after with reasonable care. The production of Snapdragon seed is one of our leading specialties. Every lot is well separated from every other.

**In Sowing.** Our germination tests of this fine seed are made on a mixture of sterile sand and fine peat moss. These materials are free of rot that frequently destroys seed. We use no covering. Light overhead spraying will splash the seed into the soil enough to germinate it if closely protected from draughts. As the seed sprouts, expose to air and light or it will soon damp off, especially in hot weather.

**Sow Early.** If wanted for early fall flowering, May or early June sowing is best. Also, during these months seed germination is much more certain than under summer conditions.

### The Newer Varieties

#### Special Offer—Where Price is

\$1.00 per packet we supply any three for \$2.50; any five for \$3.50.  
\$1.50 per packet we supply any three for 4.00; any five for 6.50.  
\$2.00 per packet we supply any three for 5.00; any five for 7.50.

**Note.**—Combination prices apply to orders for one or more varieties.

**Yellow Cheviot Maid.** (Frank Valz). A new yellow with the ideal growth and early flowering habit of its parent.  
Tr. pkt., \$1.50.

**White Cheviot Maid.** (J. S. Yoder & Son). Another Cheviot Maid break and into a color we need.  
Tr. pkt., \$1.00.

**Celestial.** (Witterstaetter). New fairly deep yellow, long-stemmed and large-flowered.  
Tr. pkt., \$1.50.

**Daybreak.** Briarcliffe rose-pink. Vigorous growth with heavy flower spikes.  
Tr. pkt., \$1.50.

**Captor.** Pure white, long-stemmed and flowers throughout the winter.  
Tr. pkt., \$1.50.

**Marion.** Considered by some the finest clear white. Small foliage allows closer planting.  
Tr. pkt., \$2.00.

**Sonny.** Medium rose-pink. Flowers closely set on long stems. Shatter-proof.  
Tr. pkt., \$2.00.

**Terry's Surprise Imp.** Rose shaded orange. A rich and attractive combination of colors.  
Tr. pkt., \$1.50.

**Miss Wooster.** We find this an improved After-glow color. Individual flowers decidedly larger and no tendency to overcrowding. True to color. A first-class commercial variety.  
Tr. pkt., \$1.50.

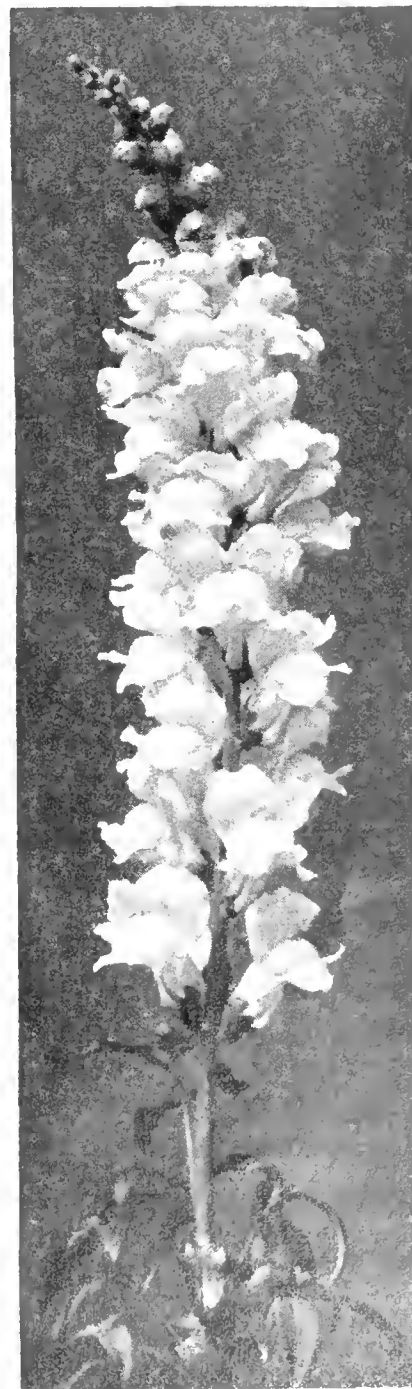
**New "White Wonder."** (Bezdek). Pure white, no shading, produced on good stems and early flowering. Originator's seed. Ready in June, 1937.  
Tr. pkt., \$2.00.

Stars (\*) indicate choicest forcing kinds according to our experience and the demand for them.

	Tr. pkt.	3 pkts.	5 pkts.
* <b>Afterglow.</b> Golden orange .....	\$1.00	\$2.50	\$3.50
* <b>Bertha Baur.</b> The only early lavender .....	1.50	4.00	6.50
* <b>Ceylon Court.</b> Standard yellow .....	1.00	2.50	3.50
* <b>Ceylon Court Dark.</b> A selection for a deeper golden yellow .....	1.00	2.50	3.50
* <b>Cheviot Maid.</b> Original strain .....	1.00	2.00	3.00
* <b>Cheviot Maid Supreme.</b> Best fairly deep rose .....	1.00	2.50	3.50
* <b>Coates' Yellow Perfection.</b> Finest deep golden yellow .....	1.00	2.50	3.50
<b>Golden Pink Queen.</b> As named .....	1.00	2.50	3.50
<b>Jennie Schneider.</b> Light rose .....	1.00	2.00	3.00
<b>Judd's Light Pink.</b> Light rose .....	1.00	2.00	3.00
* <b>Kirkwood Beauty.</b> Bronze-orange .....	1.00	2.50	3.50
* <b>Lucky Strike.</b> White. Plant early for winter flowering .....	1.00	2.50	3.50
* <b>New Cincinnati.</b> The finest light rose; large and very choice .....	1.00	2.50	3.50
<b>New Deal.</b> (We apologize for the name). Very early, fragrant, rich golden bronze. Valuable because of earliness .....	1.00	2.50	3.50
<b>Philadelphia Pink.</b> Rose-pink .....	1.00	2.50	3.50
<b>Radiance.</b> Valuable large-flowered pink .....	1.00	2.50	3.50
<b>Roman Gold.</b> Bright coppery yellow .....	1.00	2.50	3.50
* <b>Rose Queen.</b> Finest deep rose-pink .....	1.00	2.50	3.50
* <b>Sun Tan.</b> Orange-tan; extra early. Choice for winter .....	1.00	2.50	3.50
* <b>Velvet Beauty.</b> American Beauty red—early flowering .....	1.00	2.50	3.50
<b>White Prosperity.</b> Long-stemmed clear white .....	1.50	4.00	6.50
<b>White Rock.</b> Standard white .....	.50	1.25	2.00
<b>Winter Helen.</b> Improved Helen .....	1.00	2.50	3.50
<b>Ball Forcing Mixture.</b> Our special winter-flowering mixture. Contains fully half the best pinks with balance in yellow, white, and orange. Tr. pkt., 75c; 3 pkts., \$2.00; 5 pkts., \$3.00.			

Write us for quantity quotations on any of above.

We will furnish half-size packets at 60c each of the following varieties: Afterglow, Ceylon Court, Cheviot Maid Supreme, Rose Queen, and Lucky Strike.



CHEVIOT MAID SUPREME

We specialize in this variety, finding it most valuable, combining earliness, free-flowering and fine color—no mistake in using it.

# FLORISTS' ZINNIAS

Wherever summers are warm, Zinnias have florist value. Their principal requirement is a fair amount of warmth, for they are natives of Mexico and are unhappy in a low temperature. This is particularly true of seed sowing that must be done in a temperature of not less than 60 degrees. In a cold wet soil you will want to tell us the seed was old or dead.

By sowing around March 1st, Zinnias can be flowered to perfection during May in a Carnation house temperature. By sowing outdoors as late as August 1st, in well-enriched soil and protected with water, they can be had in fine shape right up to frost. To bring out their wonderful colors calls for long sunny days. For this reason they are not profitable as a midwinter greenhouse crop.

Don't overlook the margin in growing Zinnia seedlings for home gardeners. They are liable to become drawn and hardened in pots—better and more easily grown by broadcasting in an open bed.

**DAHLIA-FLOWERED CLASS.** Generally accepted as the largest and finest of the Giants. They improve the Giant Mammoth in being more incurved and rounded, though not entirely true to this type.

**Canary Bird.** A rich primrose-yellow.  
**Crimson Monarch.** Large crimson-red.  
**Dream.** A fine deep lavender.  
**Eldorado.** Salmon-apricot.  
**\*Exquisite.** Fairly deep rose. Valuable for cutting.

**\*Golden Dawn.** Golden yellow, dark center.  
**Golden State.** Rich orange-yellow.  
**Illumination.** Deep rose-pink.  
**Meteor.** Clear deep rose.

**Old Rose.** Real old rose color.  
**\*Oriole.** Orange and gold, excellent.  
**Palar Bear.** Large white.  
**Purple Prince.** Large deep purple.  
**Scarlet Flame.** Well named, glowing color.

**PRICES, separate colors:** Liberal tr. pkt., 25c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00; 1 lb., \$12.00.

**SPECIAL OFFER:** One trade packet each of above varieties for \$2.75.  
One trade packet each of **any ten** above varieties for \$2.00.

**\*GOLD MEDAL MIXED.** Best Giant Dahlia-flowered Mixture available. Tr. pkt., ~~5c~~ <sup>25c</sup> ¼ oz., 35c; 1 oz., \$1.00; 1 lb., \$12.00.

**GIANT MAMMOTH TYPE.** Size and general effect of this class closely approaches the Dahlia-flowered, the difference being in a flat or imbricated placement of the petals. A very popular class of Giant Zinnias.

**Brightness.** Bright deep rose.  
**Cerise Queen.** Choice cerise-rose.  
**Golden Queen** (Lemon Queen). Same color as Golden Dawn.  
**Grenadier.** Same color as Dahlia-flowered Crimson Monarch.  
**Lavender Queen.** Same as Dream in the Dahlia-flowered class.  
**Miss Willmott.** Medium light pink, nice soft shade.  
**Orange King.** Similar in color to our Ball Orange Calendula.  
**Pink Profusion.** Light pink shade, lighter than Miss Willmott.  
**Purity.** A very good clean white.  
**Rose Queen.** Bright rose, deeper and brighter than Brightness.  
**Scarlet Queen.** Best real scarlet in this group.  
**Violet Queen.** Same color as Purple Prince in Dahlia-flowered.

**PRICES, separate colors:** Tr. pkt., 20c; ¼ oz., 30c; ½ oz., 60c; 1 oz., \$1.00; 1 lb., \$11.00.

**SPECIAL OFFER:** One trade packet each of the above 12 varieties for \$2.00.

**MIXED.** A mixture of all Giant Mammoth type. Tr. pkt., 15c; ¼ oz., 30c; ½ oz., 50c; 1 oz., 85c; 1 lb., \$10.00.

**PUMILA TYPE.** Of medium size and fairly compact growth. Excellent for either bedding or cut flowers. We feel that this class should be more largely used, particularly for cutting under glass or cloth.

**Canary-Yellow.**  
**Fire Ball.** Very bright scarlet.

**\*Solmon-Rose.** Extra choice for cut flowers.  
**Golden Orange.**

**Each, separate colors:** Tr. pkt., 15c; 1 oz., 60c.

**Mixed, all colors:** Tr. pkt., 15c; 1 oz., 50c.

**COLOSSAL or NEW GIANTS.** This class is so clearly inferior to either the Mammoth or Dahlia-Flowered class that we no longer list them except in mixture, at, tr. pkt., 15c; 1 oz., 60c; 1 lb., \$6.00.

## LILLIPUT or POM-PON CLASS.

Flowers about size of a large button type Pompon 'Mum. Highly effective for cut flower work, especially nice when the stems are lengthened under glass or cloth houses.

**Canary Gem.**  
**Crimson Gem.**  
**Purple Gem.**  
**Golden Gem.**  
**\*Salmon Gem.**  
**Scarlet Gem.**  
**White Gem.**

**\*Rosebud.** Clear deep rose-pink.  
**\*Volencia.** Attractive burnt orange.

**Each, separate colors:** Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 1 lb., \$8.00. (Combination of varieties to make up pound, at lb. rate).

**Mixed, all colors:** Tr. pkt., 15c; ½ oz., 40c; 1 oz., 60c; 1 lb., \$7.50.

**SPECIAL OFFER:** Trade packet of each of the 9 Lilliput varieties for \$1.10.



Zinnia Lilliput, Rosebud

This neat little Pompon type is, we believe, the most valuable one for cut flower work. Either cloth or greenhouse protection is necessary to draw out the stems. Such protection seems to reduce the size of the Giants while it increases some that of the Pompons.

## FLORISTS' ZINNIAS—Continued

**PICOTEE DELIGHT TYPE.** A fairly tall growth and attractive flower formation, curled or ruffled petals, makes this class well suited to cut flower uses. Comes fairly true to flower type.

**Golden Ray.** (New). Golden orange with brick-red markings. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

**Salmon-Rose.** Attractively shaded light to dark salmon-pink. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

**Mixed.** A good mixture.

Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

**CROWN O' GOLD TYPE.** A distinctive class, base of each petal shaded light or yellow, while carrying out the individual flower color from the base coloring to the tip.

\***Desert Gold.** A highly attractive yellow, the light and darker shading contrasting effectively.

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**Mixed.** An attractive mixture of cut flower colors.

Tr. pkt., 25c; ¼ oz., 30c; 1 oz., \$1.00.

### MISCELLANEOUS TYPES.

**Fantasy, Star Dust.** Rich deep golden yellow with the same shaggy petaled formation in the mixture.

Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$1.75.

**Fantasy, Mixed.** (See cut). Well rounded flowers with irregular petal formation that gets away from the stiff formality of the regular class. Attractive for cutting. Comes in pleasing mixture of colors. Fairly true to type.

Tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.25.

**Early Wonder.** Salmon-cerise-pink. Of medium size, fairly long-stemmed. Outstanding point is early flowering—6 to 7 weeks from sowing. With this habit necessarily goes lack of strong growth. We find it valuable for early spring greenhouse crop.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

\***Gracillima.** (Red Riding Hood). Quite small flowered, bright crimson. Ideal for bedding. About 1 foot, and comes true to habit and color.

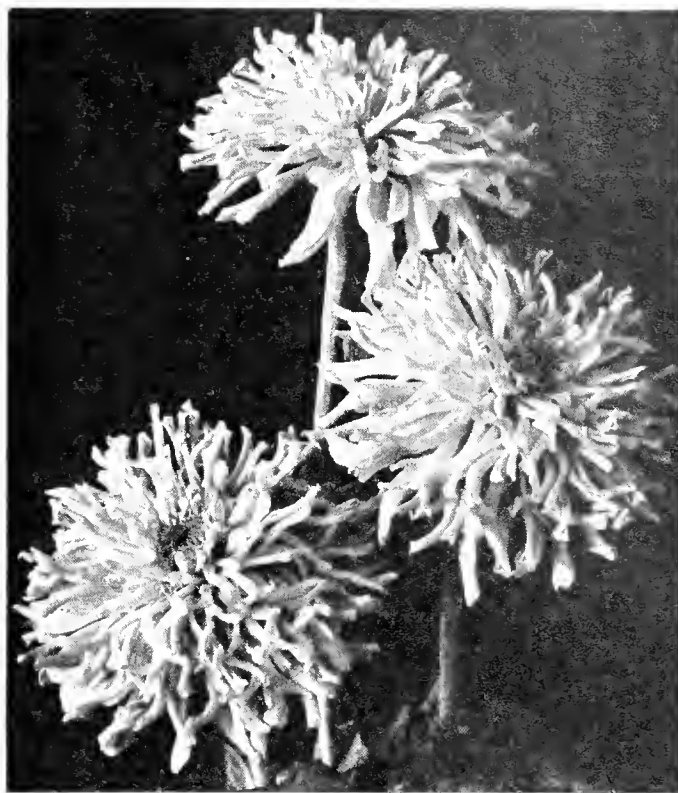
Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 75c.

\***Haageana Hybrids.** An especially valuable class for bedding. Very free flowering, compact growth. Small semi-double flowers that have some value for cutting. Attractive colors.

Tr. pkt., 25c; ½ oz., 80c; 1 oz., \$1.50.

**Scabious-Flowered.** Fairly tall and long-stemmed variety, with flower formation resembling Scabiosa. Comes 50 per cent true to this type.

Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.75.



New Zinnia "Fantasy" is a really attractive variation as this cut shows. (See description at left).

**Tom Thumb Type.** Very dwarf form of Lilliput type. Four- to six-inch height gives this new class value for the border and rock garden. Comes about 30 per cent true to the dwarf habit. Mixed colors.

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

## There is Money in Zinnias

### Flowers of Color Have Value

In getting started with Zinnias, loss and disappointment will be spared if we remember that their nature demands a rather high temperature, and this, of course, extends to seed germination—a source of frequent disappointment. No seeds will respond more happily to a steady temperature of 55 to 60 degrees than will Zinnias, but put them in a cold, wet soil and—well, it will be like wrapping a baby in a wet blanket and putting it out in the cold.

The seeds of most plants, even those whose nature calls for cool house treatment, seem to germinate more surely, certainly more promptly, in a comfortably warm temperature. Light, sandy soil is preferred, because it will not remain too wet long after watering. A combination of wet and cold not only delays germination, but seems to favor the activity of fungus that attacks and rots seed. Much perfectly good seed is lost in this way, especially that of Zinnias. Semesan and formaldehyde dust used with seed are effective destroyers of soil diseases, but are unnecessary in a light, clean and well drained material.



Zinnia Haageana Mexican Hybrids

# ANNUAL LARKSPUR

Long stems, pleasing and varied colors that harmonize so well with their finely cut foliage explains the wide-spread popularity of this half-hardy annual.

**Culture.** A January or February sowing will produce a nice greenhouse crop during May. An early March sowing will make strong young plants to plant outdoors after danger of hard frosts is past. Then, for a succession, sow outdoors as early as the soil can be worked. To keep up the outdoor supply, sow every two weeks until well into May in our latitude.

Larkspur is distinctly a cool temperature crop, and this extends to the germination of its seed. Experiments have definitely proven that seed will not germinate in a steadily maintained temperature of 68 degrees. A few years ago we made an outdoor sowing in June. Though we kept it watered, not a seed germinated. After lying in the hot, dry soil all summer, it came up 100% after the cool rains of September set in.

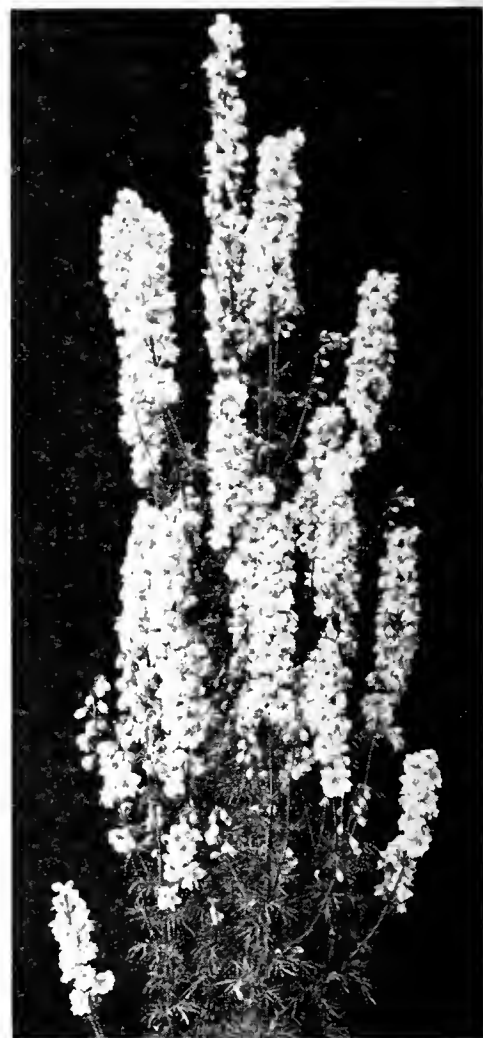
For outdoor growing, especially, the Base-Branching or Imperial varieties should be used because the bottom breaks will produce longer stems. It should be stated that no Base-Branching variety comes entirely true to this habit. On the other hand, some Stock-flowered kinds show some base-branching tendencies.

We annually flower trials of all new and standard varieties of Larkspur. This keeps us in direct touch with the comparative value of all. Our suggestions for the best varieties, indicated by stars (\*), are based on these trials, and we trust it will be of service.

**TWO DISTINCT LARKSPUR IMPROVEMENTS.** Both the following clearly demonstrated their superiority in our last spring trials.

**White King.** (New). We find this some earlier than White Spire and noticeably larger flowered. A distinct improvement in this color.  
Tr. pkt., 35c; 1/4 oz., 60c; 1 oz., \$2.00.

**Gloria Improved.** (Base Branching). This improves the color of Rasamond, as well as Gloria, in being brighter and longer stemmed.  
Tr. pkt., 35c; 1/4 oz., 50c; 1 oz., \$1.30.



Stock-flowered type of Larkspur Rasamond, the finest deep rose-pink

## Base Branching or Imperial Varieties

- \***Blue Bell.** Fairly deep blue; excellent.
- Blue Spire.** Very deep violet-blue.
- Carmine King.** Carmine-rose.
- \***Daintiness.** Light lavender-blue.
- Exquisite Pink Imp.** Rich soft pink.
- \***Gloria.** Deep rose-pink; excellent.
- \***Lilac Queen.** Rich lilac-lavender.
- Las Angeles Imp.** Salmon-rose.
- \***Miss California.** Pink shaded salmon.
- The Empress.** Salmon-pink.
- White Spire.** The best white.

**Prices on above 11 varieties:** Tr. pkt., 25c; 1 oz., \$1.00; 1 lb., \$10.00.  
**Mixed.** Tr. pkt., 20c; 1 oz., 80c; 1 lb., \$8.00.

## Stock-Flowered Varieties

- Dark Blue.** A rather heavy color.
  - Empress Rose.** An excellent pink.
  - La France.** Salmon-pink.
  - \***Lilac.** Pleasing shade of lilac.
  - \***Las Angeles.** Salmon-rose.
  - Rosy Scarlet.** Not much of this.
  - \***Sky-Blue.** Good light blue.
  - White.** Prefer White Spire.
- Price on above 8 varieties:** Tr. pkt., 20c; 1 oz., 50c; 1 lb., \$5.50.  
\***Rosamond.** Deep rose. Tr. pkt., 20c; 1 oz., 60c; 1 lb., \$6.50.  
\***Rose Queen.** (New). Very attractive rose-pink.  
Tr. pkt., 25c; 1 oz., 75c; 1 lb., \$8.00.  
**Mixture.** Tr. pkt., 15c; 1 oz., 30c; 1 lb., \$3.50.

## Dwarf Emperor Type

This class grows less than half the height of the above cut flower kind and is used for bedding or border work.

- Ageratum Blue.** Well named and pleasing. Tr. pkt., 25c; 1 oz., 75c.
- Enchantress.** Soft salmon-pink. Choice. Tr. pkt., 35c; 1 oz., \$1.50.
- Pink Delight.** Rich rose-pink. Tr. pkt., 25c; 1 oz., 75c.

## Giant Hyacinth-Flowered

Produces one long, non-branching spike.

- Dark Blue.**
  - Lilac.**
  - \***Pink.**
  - \***Purple.**
  - White.**
  - Mixture.**
- Each: Tr. pkt., 25c; 1 oz., 80c; 1 lb., \$8.00.



Clearly pictures the base branching habit of Annual Larkspur

# BALL CALENDULA

**A** SOWING of Calendula during January or early February will make an April crop and flower heavily until overcome by hot weather. No flowers can be more colorful or better carry out a spring atmosphere than Ball Calendula, and no trouble with the flowers wilting at this season either.

Also, except during the heat of midsummer, the Ball class of Calendula, because of their long stems, have value for outdoor cutting. Like most summer cut flowers they do enjoy the protection of a cloth house. During spring and summer they require a deep well-enriched soil and lots of water. During midsummer plants that have been producing full double flowers will be 100 per cent singles.

**SINGLE FLOWERS.** Under good growing conditions our strains of Ball Calendula are 98 to 99 per cent full double flowered. The few real singles are weak, early flowering, and should be removed as they show up for they are a worthless throwback to the original type. Unfavorable conditions responsible for singles are too much heat, poor soil, lack of water, or aphids drawing the life out of them. The check to the growth of cutting off a heavy crop will account for the singles that show up at the end of a crop.

**FOR BEDDING.** While Calendula do become single during the hottest part of summer, the rest of the outdoor season they are free flowering and colorful. Outdoors, as well as for winter flowering, they respond to a well-manured soil with thorough watering when dry. For bedding purposes the compact growing varieties listed for this purpose should be used.

Our position with respect to the Ball Calendula is due to having originated **all** varieties in this superior class. Also, it is due to our continued and increasing interest not only in maintaining but improving its value as a cut flower.

Following are the best Ball cut flower strains:

- \***Ball's Masterpiece.** Long-stemmed orange with brown center.
- \***Ball's Long Orange.** Long-stemmed orange with light center.
- Ball's Sensation.** Closely resembles Long Orange, but preferred by some growers.
- \***Ball's Gold.** Extra long-stemmed, large, deep golden yellow.
- Ball's Lemon Queen.** Clear, fairly deep yellow with attractive brown center. Medium long-stemmed.
- Ball's Supreme.** Light orange, brown center; medium size and stem, but extra free flowering.
- Ball's Apricot.** Light brown or straw color with attractive contrasting brown center, habit same as Supreme; color varies some.

**Prices on each of the above Ball Calendula:**

Tr. pkt., 40c; ¼ oz., 60c; 1 oz., \$2.00; 2 ozs., \$3.50;  
4 ozs., \$6.50; 1 lb., \$20.00.

Price on weight lots will be accepted on two or more lots together. For instance, on ¼ oz. each of 4 varieties, instead of 60c each or \$2.40 for the 4 lots, the oz. price of \$2.00 will apply.

**Ball Calendula Mixture.** A mixture of the above with fully half orange. Intended for the retail grower whose planting is limited but wants some of all colors.

Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50.

**NOTE: Our strains of Ball Calendulas are sold ONLY in our sealed packets.**



**BALL CALENDULA**

No retail grower should be without them during Christmas and January, for which sow August 1st or 10th to 15th in the latitude of Philadelphia or St. Louis.

## CALENDULAS FOR BEDDING

Following varieties are of compact growth not suitable for cutting because short-stemmed, but highly attractive for bedding except during very hot weather.

**Orange Shaggy.** Tip of petals of this bright orange variety are finely fringed, giving it a distinctive appearance.  
Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

**Apricot Queen.** Pastel combination of apricot and orange with dark eye. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

**Frilled Beauty.** New deep orange, attractively frilled flowers.  
Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

**Sunshine.** Semi-double, bright yellow, upright growth with good stems. Identical to variety Chrysantha.  
Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

**Prices on the following, each:** Tr. pkt., 20c; 1 oz., 50c; 2 ozs., \$1.00; 4 ozs., \$1.75; 1 lb., \$5.75.

**Radio Bright Orange.** Quilled petals, quite attractive.

**Radio Golden Beam.** Clear yellow Radio.

**Orange King.** Dark centered, deep orange. For bedding.

**Lemon Queen.** Light lemon-yellow. Somewhat straggly growth.

**Nankeen.** Cream-flushed apricot, small-flowered, dwarf.

\***Ball Bedding Mixture.** Well proportioned mixture of all dwarf bedding varieties. Tr. pkt., 15c; 1 oz., 80c; 4 ozs., \$2.50.

# MARIGOLDS

VALUE OF ALL CLASSES OF MARIGOLD IS INCREASING. There are two reasons. One is that most types can be flowered during mid-winter and spring and are most effective for cutting and pot plants. The second and most important reason is the remarkable way in which all classes, especially the cut flower kind, are breaking into various attractive forms. Our Ball Red Book details the new method of mid-winter forcing of this crop. The dwarf French mixtures, especially the Double French Monarch strain, are the most effective pot plants that can be suggested for combination plant boxes. Heights given will vary according to cultural conditions.

**GIANT AFRICAN CLASS.** 3 feet. Large, double-flowered; a valuable class for cutting.

\***All-Double Orange.** Not quite so large as Prince of Orange, the percentage of doubles will run much higher, 80-85% with a few semi-doubles. We prefer the All-Double strain. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

\***All-Double Lemon.** Same high double percentage as in All-Double Orange. The demand for these colors usually calls for about 25% of the All-Double Lemon. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

**All-Double Mixed.** Mixture of both above colors. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.35; 4 ozs., \$4.00.

**Prince of Orange.** For size and perfect flowers the finest Giant African strain. 60% fully double, balance all single. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

**Lemon Queen.** Same as Prince of Orange in lemon color. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

**Golden Emblem.** Rich golden yellow mid-way between orange and lemon. An attractive addition to the Giant African type. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.50.

## AFRICAN DWARF.

\***Golden Queen.** A dwarf, large-flowered, full double, light orange of imbricated or carnation type of flower. Varies in height with us from 12-14 inches outside to 2 ft. under glass, and comes around 80% double. From seed sown January 9 we flowered this variety April 15 on a raised 6-in. bed. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.50.

## MISCELLANEOUS LARGE-FLOWERED.

**Crown of Gold.** (New). Clear yellow, small-flowered, about 1 1/2 inches with cushioned center and outer guard petals, in form resembling Dixie Sunshine. Tr. pkt., 25c.

**Dixie Sunshine.** Medium size, bright yellow, fully double, ball shaped. Nice for cutting and garden decoration, but one of the latest flowering kind on the list and sometimes caught by early frost before flowering in our latitude. 3 ft. Tr. pkt., 25c.

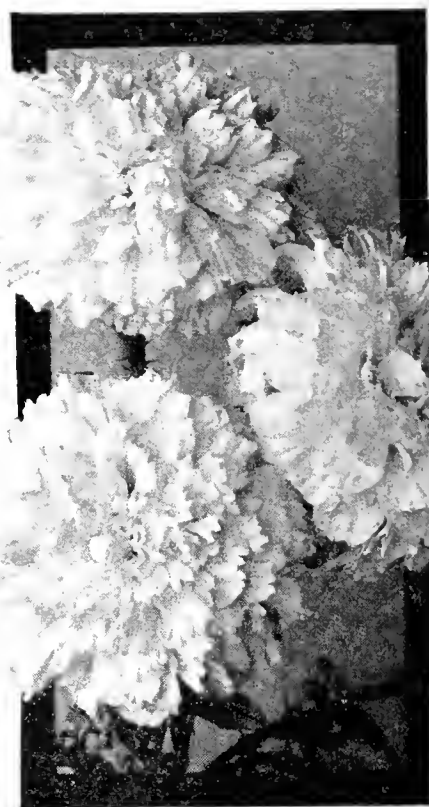
**CARNATION-FLOW-ERED.** Loosely ruffled petals and size of this group suggests carnations. Very popular for summer cutting and greenhouse forcing.

**Sunset Giants.** The largest flowering strain of Giant Marigolds. We have noted plenty of 7-inch flowers of this variety under California conditions. Mixture of colors from lemon-yellow to clear orange. Loosely formed flowers with Giant African growth though somewhat uneven. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$4.00.

**Yellow Supreme.** Creamy lemon-yellow, loose petaled, 2- to 3-inch flowers produced on nice stems for cutting. 2 1/2 ft. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25; 4 ozs., \$4.00.

**Guinea Gold.** Light attractive orange-colored flowers, about 2 inches, and very freely produced throughout the summer. No retail grower should be without a row of this and Yellow Supreme. 3 ft. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

**NEW MARIGOLD GOLDEN EAGLE.** See novelty list page 3. Very similar in habit, flower size and type to the well known Guinea Gold. The color, however, is a rich golden yellow, midway between Yellow Supreme and Guinea Gold. If you have grown these two, the value of this new color, especially for outdoor cutting, can be visualized and appreciated. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.50.



Marigold, Yellow Supreme

# FRENCH MARIGOLDS

## TALL SMALL-FLOWERED.

**Double Scotch Gold Striped.** Highly effective and true but rather late flowering for early frost sections. 2 1/2 ft. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

**Single Josephine.** Small dark brown. 2 ft. Tr. pkt., 15c; 1 oz., 50c.

**DWARF SMALL-FLOWERED.** Most valuable class to flower in small pots for spring combinations. For this use sow early in January and carry on in a warm house. Also this class is largely used in outdoor work.

\***Harmony.** Medium-size scabious-like double flowers. Deep orange center with maroon-red outer petals. Quite striking and distinct. Valuable for cutting and bedding. 14 to 18 in. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

**Electric Light.** Double to semi-double, about the size of Legion of Honor. Attractive for bedding. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

**French Double Striped.** Orange and yellow striped and mixture of colors. A very excellent bright mixture, and with us gets into flower fairly early. Fully 80 per cent double, uniformly 16 to 20 in. Tr. pkt., 25c; 1 oz., 75c.

\***Double French Monarch Strain.** A bright mixture of mahogany, orange and yellow. Around 75 to 80 per cent full double, nicely formed flowers. Flowers of this strain are more attractive than the Dwarf French mixed that follows, but they are also about 2 weeks later flowering and in sowing this should be remembered. 14 to 16 in. Tr. pkt., 20c; 1 oz., 75c.

\***Dwarf French Double Mixed.** A very colorful mixture. Excellent for combinations or bedding. Tr. pkt., 15c; 1 oz., 50c; 1 lb., \$4.50.

**Robert Beist.** Extra deep rich mahogany-red, medium size, fully 80 per cent double. Fairly uniform in height. 16 to 20 in. Tr. pkt., 20c; 1 oz., 50c.

**Monarch Golden Ball.** Light golden orange and nearly 100 per cent double. Easily the finest in this color. 12 to 15 in. Tr. pkt., 20c; 1 oz., 75c.

**Pallida.** Double lemon or light yellow. Nearly 100 per cent double and uniform. 12 in. Tr. pkt., 20c; 1 oz., 65c.

\***Fire Cross.** Single dwarf light orange, resembles Legion of Honor except that the yellow on outer edge of petals is a deeper golden shade. Also we find Fire Cross some earlier flowering and more compact. A valuable outdoor variety. 12-14 in. Tr. pkt., 20c; 1 oz., 60c.

**Legion of Honor.** A well known dwarf single. The lemon-yellow in this variety contrasts brightly with the mahogany center. Both the above two dwarf singles are valuable for early flowering in small pots. Tr. pkt., 15c; 1 oz., 60c.

**Signata Pumila, Little Giant.** Very small bright orange-colored flowers freely produced on dwarf, uniformly compact growth. 6 in. Excellent for edging. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.40.

## WINTER FLOWERING.

\***Australian Giant Tree.** Strong growth, fairly long-stemmed mahogany-red flowers with crested golden yellow center. Tr. pkt., 25c; 1/2 oz., 60c; 1 oz., \$1.00.

**Lieb.** Not so long-stemmed or heavy growth as above, but more uniformly double flowering. Some singles will show up in both strains. Tr. pkt., 50c.

## PRIMULAS

**OBCONICA PRIMULA PLEASE NOTE.** Because of the rapid loss of germination of this valuable seed, resulting in loss to all concerned, we are having all this seed, including trade packets, put up by our grower in Germany in **SEALED GLASS TUBES**. This protection insures high germination at no added cost on 1/64-oz. and 1/32-oz. lots. We started this plan last season and are glad to report its general success.

	Tr.pkt. 1/128oz.	1/64 oz.	1/32 oz.
<b>Mahnstein's Dark Red.</b> Well known dark red .....	\$1.10	\$2.00	\$3.75
<b>Fosbender's Red.</b> Extra large deep crimson .....	1.10	2.00	3.75
<b>Mahnstein's Atrosanguinea.</b> Dark red ..	1.10	2.00	3.75
<b>Mueller's Berlin Rose.</b> Bright, clear rose ..	1.10	2.00	3.75
<b>Mueller's Rosea</b> .....	1.10	2.00	3.75
<b>Coerulea.</b> Fairly dark blue .....	1.10	2.00	3.75
<b>Salmon Queen.</b> Salmon or coral-rose...	1.10	2.00	3.75
<b>Alba (White).</b> Increasingly popular...	1.10	2.00	3.75
<b>Lachsrosa.</b> Extra large light rose with salmon tinge. Very attractive .....	1.10	2.00	3.75
<b>Mixture.</b> All colors of above .....	.60	1.00	1.75
<b>Portland Beauty.</b> (New). Double flowering rose-pink. Makes a striking pot plant and is generally well liked ....	1.50		

## CHINESE PRIMULA

We note a revival of interest in this class that can be accounted for by the full list of attractive colors now available. To produce strong plants for Christmas, sow early in June. An outdoor frame and under a lightly shaded sash is a good place to summer them from which they should be moved to a light carnation house. Following are the finest fringed varieties.

**\*Dazzler.** A most striking orange-red. No variety of Primula in any class approaches this color. Comes 100% true.  
Tr. pkt. (250 seeds), \$1.00.  
**Chiswick Red.** Tr. pkt., 50c; 1/64 oz., \$1.00.

**Caerulea.** Light blue. Tr. pkt., 50c; 1/64 oz., 75c.  
**Rose Queen.** Tr. pkt., 50c; 1/64 oz., \$1.00.  
**Cavent Garden White.** Tr. pkt., 50c.  
**Special Mixture.** Tr. pkt., 50c; 1/64 oz., \$1.00.

## MALACOIDES PRIMULA

**\*Ball's Salman Rose.** (New). Fairly deep rose with a salmon tinge. Large-flowered and of extra vigorous growth. The strong growth makes flowering ten days to two weeks later than other varieties. A real improvement in Malacoides. New crop seed ready in August. Tr. pkt., \$1.00.

**Princess Mary.** A new deep rose-pink variety from England, with large, full flowers of a rich, slightly deeper shade of rose than Erikssoni varieties.

Tr. pkt., 50c; 1/64 oz., \$1.00.

## STANDARD ERIKSSONI STRAINS

**New Baby.** Extra large, fairly deep rose.

**\*Baby Rose.** Compact growth, extra deep rose.

**Wonder Baby.** Fairly deep rose, medium size.

**\*Brilliancy.** (New). Attractive dark red.

**Baby Alba.** Pure white.

**Prices on the above Erikssoni strains:**

Each: Tr. pkt., \$1.00; 6 pkts., \$5.00.

**Mixture.** A mixture of the above varieties. Tr. pkt., 75c.

## VARIOUS MALACOIDES.

**Rosea Superba.** Large-flowered, clear lavender-rose.

Tr. pkt., 50c; 1/16 oz., \$1.00.

**Grandiflora Rasea.** Fairly deep rose.

Tr. pkt., 75c; 1/64 oz., \$1.50.

**Salman-Pink** (Weihenstephan). Attractive shade.

Tr. pkt., 50c; 1/64 oz., \$1.00.

## CINERARIAS

One of our leading specialties. We annually flower trials of all seed we offer and of all new strains and varieties available. We are also trying through single plant selections to improve the strains we offer. Following covers the finest available varieties:

	Tr. pkt.	1/64 oz.	1/32 oz.
<b>*Cremers Prize Mixture.</b> Medium size flowers produced in extra large, well shaped heads. Semi-dwarf. The most popular American strain .....			
..... 1/16 oz., \$7.50...	\$1.50	\$2.25	\$4.00

<b>*Berlin Market Mixture.</b> (Weissensee Strain). Medium large, light centered, attractive flowers. Fairly compact habit. We consider this a most attractive strain .....	1.00	1.60	2.75
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<b>Berlin Market Strain.</b> In <b>Dark Crimson</b> and <b>Dark Blue.</b> Both come about 90% true to these very attractive colors. Each .....	1.00	1.60	
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<b>Hybrida Gigantea.</b> Large-flowered dark red, white eye. Compact, attractive..	1.00	2.25	
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<b>Hybrida Grandiflora Nana.</b> Compact strain of Hybrida Grandiflora, 10-12 inches. A valuable compact mixture.	1.25	2.00	
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<b>Hybrida Grandiflora.</b> Separate colors. <b>Azure Blue</b> , a very bright shade, and <b>Kermesina</b> , velvety red. Each .....	.75	2.00	
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<b>*Sanguinea.</b> Rich coppery red, improves Matador and should be used by American growers .....	.75	2.00	
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<b>Eriksson's Private Stock.</b> A fairly large-flowered mixture developed by a Chicago grower and the most popular Chicago market strain.....	1.50		
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<b>Giant Exhibition Mixed.</b> The largest flowering strain, medium tall growth and with a choice range of colors. This strain is also furnished in the following separate colors: <b>Crimson-Carmine Shades; Blue Shades.</b> Each:	1.00		
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	Tr.pkt.	1/64 oz.
<b>*Multiflora Nana Mixed.</b> Of distinctly dwarf growth that completely covers itself with small flowers of a full range of colors. 1/32 oz., \$2.00 .....		\$1.00

<b>Multiflora Nana.</b> Separate colors. <b>Dark Crimson; Dark Blue.</b> Each.....	1.00	2.00
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**Multiflora Nana, "Gald Center."** (New). A selection of this dwarf strain with anthers in disc of flower more prominently golden yellow, distinctly adding to its attractiveness. 600 seeds, 60c; 1000 seeds, \$1.00; 1/64 oz., \$2.25.

**Stellata or Star Type Mixed.** Under favorable conditions grows 3 ft. Small-flowered and valuable for cutting or pot plants. Tr. pkt., 50c; 1/32 oz., \$1.25.

**Plenissima Double Mixed.** Finely rounded full double flowers. 1½ in. diameter. An attractive novelty. Tr. pkt., 75c.



Compact growth, medium large flowers, good live color mixture—nearly all flowers white-eyed—that's our Weissensee Cinerario Strain.

# MISCELLANEOUS ANNUALS

® indicates varieties valuable for rock gardens.



Acroclinium

**Note:** We have storred (\*) the varieties in this list that we have found the most dependable and generally satisfactory.

**ABUTILON. Mixed.** Flowering Maple. Ours is the extra large-flowered strain, flowering six months from seed. Valuable for pot plants or bedding. Tr. pkt., 35c; 1/8 oz., \$1.25.

**ACHIMENES. Mixed.** Valuable for pot plants and hanging baskets. Tr. pkt., \$1.00.

**ACROCLINIUM. New Hybrids.** (Straw-flowers). Large-flowered, semi-double strain. Good spring cut flower item. Tr. pkt., 35c.

® **AGERATUM.** Most strains vary some in height.

**DWARF VARIETIES.** 4 to 8 inches. For bedding and edging.

\* **Red Riding Hood.** Attractive rose-pink with deep center. Good even stock 6 inches. Tr. pkt., 35c; 1/16 oz., 75c.

\* **Blue Cap.** A very good dwarf and compact large-flowered strain. Tr. pkt., 25c; 1/4 oz., 80c; oz., \$3.00.

**Little Dorrit Blue.** Small, free-flowering. Tr. pkt., 15c; 1 oz., 75c.

\* **Little Blue Star.** Small, free-flowering, deep blue. Good. Tr. pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

**Blue Ball.** Deep blue. Tr. pkt., 15c; 1 oz., 75c.

**Purple Perfection.** Deep large-flowered blue. Later flowering than others. Tr. pkt., 15c; 1 oz., 75c.

\* **Little Silver Star.** (New). 4 to 8 in. Small-flowered glistening silver-white. Fairly even strain. Tr. pkt., 40c; 1/16 oz., \$1.00.

## AGERATUM—Cont.

**SEMI-DWARF VARIETIES.** 8 to 18 in.

**Blue Perfection.** Large-flowered. Deep blue color.

Tr. pkt., 15c; 1 oz., 60c.

**Imperial Dwarf White.** Large-flowered. Fairly clear white.

Tr. pkt., 15c; 1 oz., 60c.

**Little Dorrit White.** Small-flowered. Tr. pkt., 15c; 1 oz., 80c.

**TALL VARIETIES.** Up to 30 inches.

**Mexicanum.** Tall blue. Has value for cutting. Very free flowering.

Tr. pkt., 15c; 1 oz., 40c.

\* **ALOE Variegata.** Tiger Aloe. Attractive and generally satisfactory succulent. Seed can be sown any time. 100 seeds, \$1.25; 1000 seeds, \$10.00.

® **ALYSSUM.** Our extensive annual trials give us confidence in recommending the following strains as the finest available.

\* **Carpet of Snow.** (Procumbens). The best extra dwarf strain we know of. 2 to 4 inches tall with good spread.

Tr. pkt., 15c; 1 oz., 60c; 4 ozs., \$2.00.

**Little Gem.** (Compactum). 6 inches. White. Good even stock.

Tr. pkt., 15c; 1 oz., 50c; 4 ozs., \$1.75.

**Lilac Queen.** (Compactum). 6 to 7 inches. Medium deep lilac shade that deepens with cooler weather.

Tr. pkt., 15c; 1 oz., 50c.

**MARITIMUM. Sweet Alyssum.** Medium tall, 10 inches.

Tr. pkt., 15c; 1 oz., 20c; 4 ozs., 60c.

**AMARANTHUS, Molten Fire.** 4 ft. Dark red foliage. Highly ornamental summer plant.

Tr. pkt., 20c; 1/4 oz., 50c.

® **ANCHUSA Capensis, Blue Bird.** Deep Forget-me-not-blue flowers, 18 to 24 inches. Very attractive. Tr. pkt., 15c; 1 oz., 60c.

® **ARCTOTIS, Breviscapa Aurantiaca.** 6 inches. Doisy-like orange flowers with dark centers. Must be sown early. Tr. pkt., 35c; 1/4 oz., 80c.

**Grandis.** Single, daisy-like flowers, silvery white with lilac tinge and dark center. 2 to 3 ft.

Tr. pkt., 20c; 1 oz., 50c.

**ASPARAGUS.** Because of difficulty in germinating this seed, we have thoroughly acquainted ourselves with every dependable source of supply throughout the world, buying from only the most consistently dependable sources. A suggestion—try the hardy Asparagus Verticillatus for an outdoor planting. See page 35 in the perennial section.

**Plumosus.** 100 seeds, 25c; 250 seeds, 40c; 1000 seeds, \$1.00; 5000 seeds, \$4.50; 1 lb., \$8.00.

**Sprengeri.** 100 seeds, 30c; 250 seeds, 45c; 1000 seeds, \$1.15; 5000 seeds, \$5.00; 1 lb., \$8.00.

## BALSAM.

\* **Doub'e Bush Flowering.** 18 in. Flowers appear above foliage, making considerable more show than the Camellia-flowered type.

## BALSAM—Cont.

**Vermilion-red.** Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

**Mixture.** Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.35.

**Double Camellia-Flowered.** Attractive bright mixture. May be sown outdoors in May for August flowering in the latitude of Chicago. 30 inches.

Tr. pkt., 20c; 1 oz., 50c.

## BEGONIA

**FIBROUS ROOTED.** This class comprises the common single bedding or pat Begonias. Seed sown in January will make nice small-flowered pot plants by late spring. For large specimen plants next winter sow in March and April. We annually run extensive trials of all the varieties listed below and are in position to accurately describe them from our own experience. **Albert Martin.** Bright carmine-scarlet; large-flowered.

Tr. pkt., 50c; 1/32 oz., \$1.00.

\* **Carmen.** Bright pink flowers with richly contrasting bronzy green foliage.

Tr. pkt., \$1.00; 1/64 oz., \$1.75.

**Christmas Cheer.** Large-flowered crimson-scarlet.

Tr. pkt., \$1.00; 1/64 oz., \$1.50.

\* **Darling.** See novelty list on page 2. Tr. pkt., \$1.00; 1/64 oz., \$2.25.

\* **Elegant.** See novelty list on page 2. Tr. pkt., \$1.00; 1/64 oz., \$2.00.

**Erfordia.** Light pink, free flowering. Very true stock.

Tr. pkt., \$1.00; 1/32 oz., \$1.50.

\* **Fire Sea.** Blaze of Fire. Extra dwarf compact growth. Large, fiery red flowers. Green foliage.

Tr. pkt., \$1.00; 1/32 oz., \$2.00.

**Glory of Erfurt.** Carmine-rose-pink.

Tr. pkt., 50c; 1/32 oz., \$2.00.

**Gustav Knaake.** Bright salmon-pink. Color like Begonia Melior.

Tr. pkt., \$1.00; 1/32 oz., \$1.75.

\* **Indian Maid.** A bright scarlet selection from Carmen with the latter's attractive deep bronze foliage.

Tr. pkt., \$1.00; 1/64 oz., \$2.50.

\* **Lightning.** Extra large carmine-scarlet flowers. Green foliage edged brown.

Tr. pkt., \$1.00; 1/64 oz., \$2.50.

\* **Luminosa.** Deep scarlet with reddish brown foliage.

Tr. pkt., \$1.00; 1/32 oz., \$1.75.

\* **Luminosa Compacta.** Bright scarlet. Extra dwarf form of Luminosa. Ideal for bedding.

Tr. pkt., \$1.00; 1/64 oz., \$2.00.

**Mignon.** Brilliant salmon-scarlet. Semi-dwarf.

Tr. pkt., 50c; 1/32 oz., \$1.75.

\* **Prima Donna.** Light rose shading to carmine. Very excellent standard variety.

Tr. pkt., \$1.00; 1/32 oz., \$2.50; 1/16 oz., \$4.00.

\* **Prima Donna.** (New). **Special Benary Heterosis Stock.** Extra large-flowered and even strain. No better available.

Tr. pkt., \$1.25; 1/64 oz., \$3.00; 1/32 oz., \$5.50.

\* **Radio.** Extra large-flowered, carmine-scarlet with green foliage. Very good. Tr. pkt., \$1.00; 1/32 oz., \$2.50.

MISCELLANEOUS ANNUALS—Continued

BEGONIA—Continued.

**Scarlet Queen.** Large-flowered scarlet, dark bronzy green foliage.

Tr. pkt., 50c; 1/32 oz., \$1.50.

**Vernon.** Deep blood-red. Dark leaved.

Tr. pkt., 25c; 1/16 oz., 50c.

**White Pearl.** Best in this color.

Tr. pkt., 50c; 1/32 oz., \$1.65.

**Semperflorens Mixture** of above colors.

Tr. pkt., 25c; 1/8 oz., 75c.

**TUBEROUS-ROOTED.** 5-inch pot plants are readily grown from seed in six months if a temperature of 65° to 70° is maintained, also plenty of atmospheric moisture with protection from direct sun at all times. Sow in January for late June-July flowering plants and watch closely at all times.

\***Lloydii. Red shades.** Nice 4-inch pot plants can be had during June from a January sowing. A pendulous habit adapts it very well to hanging basket work.

Tr. pkt., \$1.00; 1/64 oz., \$6.00.

\***Lloydii. Mixed colors.** Contains shades of light and dark pink to carmines and reds, with some white.

Tr. pkt., \$1.00; 1/64 oz., \$5.00.

**Narcissus-Flowered Mixture.** Contains yellows, pinks and salmon-reds. A striking novelty type of tuberous-rooted Begonia.

Tr. pkt., \$1.00.

SINGLE TUBEROUS-ROOTED BEGONIAS

**Auroro.** Buff-yellow to cerise-orange.

**Orange.** Bright medium shade.

**Light Rose.** A fairly light clear color.

**Scarlet.** A very deep bright color.

Each: Tr. pkt., 50c; 1/64 oz., \$1.50.

**Mixture** of above and other shades in this class.

Tr. pkt., 50c; 1/64 oz., \$1.25.

DOUBLE-FLOWERING.

**Cormine.** A deep shade of orange-carmine.

**Lafayette Hybrids.** Bronze leaved orange-scarlet.

**Light Rose.**

**Orange.**

**Mixture** of all above and other colors in this double type.

Each: Tr. pkt., \$1.00; 1/128 oz., \$3.00.

\***Rex Hybrids.** Ornamental leaved mixture of Rex Begonias. This old favorite is readily grown from seed that produces attractive variations. Seed of all Begonias is very small and must not be covered. Newly harvested seed. 500 seeds, \$1.75.

®**BRACHYCOME Iberidifolia.** Swan River Daisy.

**Azure Fairy.** Nice azure-blue, early and free flowering.

Tr. pkt., 25c; 1 oz., 75c.

**Mixture.** Shades of blue, pink and white.

Tr. pkt., 15c; 1 oz., 65c.

BROWALLIA.

**Speciosa Major.** Standard blue winter-flowering pot plant. 10 to 12 inches

Tr. pkt., 40c; 1/32 oz., \$1.00.

**Speciosa Major Alba.** Same as above, but pure white.

Tr. pkt., 50c; 1/64 oz., \$1.50.

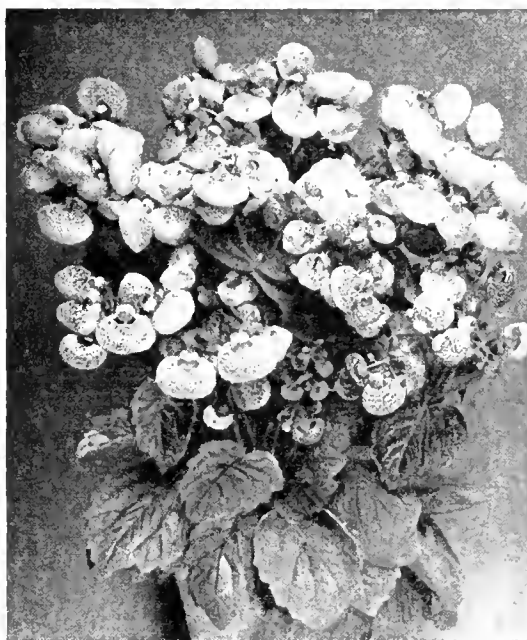
\***Viscosa Compacta, Sapphire.** Improves the above by more compact habit and attractive, white-eyed flowers. The preferred pot plant strain.

Tr. pkt., 35c; 1/16 oz., \$1.00.

CACALIA. Tassel Flower.

**Coccinea.** Scarlet.

Tr. pkt., 15c; 1 oz., 50c.



Calceolaria Hybrida Grandiflora Tigrinio  
A highly attractive strain of this "tigered" or spotted class.

**CALCEOLARIA.** For large specimen plants next season sow seed in June. The main crop should be sown during July and good smaller sizes are grown from an August and September sowing.

**Flower Cloud.** A new type of Calceolaria, the result of a cross between the Rugosa type and Grandiflora. Retains the vigorous, strong, free flowering growth of Rugosa parent. Slightly taller than Multiflora Nana, medium small flowers, canary-yellow.

Tr. pkt., \$1.00; 1/128 oz., \$4.00.

**MULTIFLORA NANA.** 10 to 12 inches. An improved class—free flowering and dwarf, compact habit. At its best in not larger than a 4- or 5-inch pot.

\***Golden Tiger.** Golden yellow, richly spotted red. Very attractive.

Tr. pkt., \$1.00; 1/64 oz., \$4.50.

**Indian Prince.** A rich deep scarlet shade. Very excellent.

Tr. pkt., \$1.00.

\***Mixture.** Medium size brightly colored flowers. We found in Germany and now offer a strain of this that greatly improves the color mixture formerly used.

1/2 Tr. pkt., 50c; 1 Tr. pkt., \$1.00;  
1/128 oz., \$2.25; 1/64 oz., \$4.25.

CALCEOLARIA—Continued.

**HYBRIDA GRANDIFLORA** or Large-Flowered Type.

**Albert Kent.** Flowers golden yellow with red blotch. Attractive.

Tr. pkt., \$1.00; 1/64 oz., \$2.50.

\***Tigrina.** A very attractive mixture of tigered or spotted types.

Tr. pkt., \$1.00; 1/64 oz., \$2.50.

**Albert Kent Hybrids.** A good mixture of large-flowered varieties.

Tr. pkt., \$1.00; 1/64 oz., \$2.00.

**Kelway's Perfect Model.** We supply originator's seed of this well known mixture.

Tr. pkt., \$1.00; 1/64 oz., \$2.25.

**Cloth of Gold.** Medium large-flowered, rich, pure golden yellow.

Tr. pkt., \$1.00; 1/64 oz., \$3.25.

**Mixture** of all varieties in this class.

Tr. pkt., \$1.00; 1/64 oz., \$2.00.

\***Tigered and Spotted Dwarf Mixed.** A very dwarf, compact strain with an especially bright mixture of these attractive spotted colors.

Tr. pkt., \$1.00; 1/64 oz., \$2.25.

RUGOSA MAJOR.

**Perennial Hybrids.** Very small-flowered. For large specimen work, as well as outdoor beds in southern climates.

Tr. pkt., \$1.00.

CALLIOPSIS.

**Drummond, Golden Wave.** Semi-double strain. 1 inch. Golden yellow with dark red eye. Free flowering.

Tr. pkt., 15c; 1 oz., 25c.

**Dwarf Mixture.** (Bicolor). 6 to 8 in. Attractive dwarf, compact plants. Mixture of yellow and red shades.

Tr. pkt., 15c; 1 oz., 30c.

CAMPANULA.

**Annual Cup and Saucer Mixture.** A double Campanula that flowers 6 to 8 months from seed. About 75% true.

Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

**Annual Canterbury Bells Single Mixed.** 2 ft. Flowers 6 months from seed.

Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

**Fragilis.** Light azure-blue, pendulous habit, excellent for hanging baskets. Free flowering. Tr. pkt., 50c.

CANDYTUFT.

HYACINTH-FLOWERED.

\***Giant White** (Ball's Strain). Our special greenhouse strain. See novelty list on page 2.

Tr. pkt., 25c; 1 oz., 75c; 4 ozs., \$2.50.

®**Miniature Gem.** A very dwarf (4 in.) strain producing 4 to 6 miniature spikes. Nice rock garden or pot plants.

Tr. pkt., 20c; 1/4 oz., 35c; oz., \$1.00.

**UMBELLATA.** A popular spring cut flower from a January or February sowing. Best market colors are starred (\*).

\***Carmine, Crimson, Flesh-Pink, Lavender** (lilac), \***Rose Cardinal, White.** Each: Tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.25.

**Mixed.** Tr. pkt., 15c; 1 oz., 25c; 4 ozs., 75c.

MISCELLANEOUS ANNUALS—Continued



The *Enfant de Nice* strain of Carnations is the finest available and easily grown from seed.

**CARNATION.** Given a slight protection from the bright sun and disbudded, seed-produced Carnations furnish very satisfactory summer cutting material. **Englemann's Perpetual Flowering Gold Medal Mixed.** A seed strain of American greenhouse Carnations grown by Carl Englemann, Carnation Specialist of England. A mixture of new and interesting colors.

Tr. pkt., 50c.

Following is the finest class available.

\***ENFANT DE NICE.** The preferred strain. Comes 75% to 80% true to color.

**Red, Rose, Salmon, White.**

Each: Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

**Mixed.** Tr. pkt., 35c; 1/4 oz., \$1.25.

**GIANT CHABAUD STRAIN.**

**Cardinal-Red, Deep Rose, Flesh-Pink, Rose-Pink, White.**

Each: Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

**Mixed.** Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

**CELOSIA.** Both the tall and dwarf classes are exceedingly effective outdoor material during late summer and fall. This is particularly true of the Pyramidalis type in both the tall and dwarf form. The tall *Cristata* or *Cockscomb* is valuable for fall decorative work; the dwarf *Cockscomb* is effectively used for bedding or edging.

\***Spicata.** 5 ft. Very upright habit, row 6 inches wide. Bright rose. Dries well. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

**CELOSIA—Continued.**

**CRISTATA.** The popular *Cockscomb* type.

\***Dwarf Golden Yellow.** 18 inches. Deep golden yellow comb set in light green foliage. Specially selected stock. Tr. pkt., 35c; 1/4 oz., 75c.

\***Dwarf Empress.** 18 in. Deep scarlet set in deep bronzy green foliage. Specially selected stock.

Tr. pkt., 35c; 1/4 oz., 75c.

\***Dwarf Mixture.** Very uniformly dwarf mixture of all colors in this class.

Tr. pkt., 35c; 1/4 oz., 75c.

**Tall Mixture.** 3 to 4 feet. Mixture of yellow and red shades.

Tr. pkt., 20c; 1 oz., 75c.

**PLUMOSA (Pyramidalis).** Plumed or feathery type producing spire-like plumes branching from the base of the plant. "Pruned" evenness and brilliant colors probably account for greatly increased interest taken in the highly attractive dwarf bedding *Celosias*. Very effective for edging.

\***Dwarf Fiery Feather.** 12 to 14 inches. See novelty list on page 2.

Tr. pkt., 35c; 1/8 oz., 70c.

\***Dwarf Golden Feather.** See novelty list on page 2.

Tr. pkt., 35c; 1/8 oz., 70c.

\***Flame of Fire.** 14 to 16 inches. Quite an outstanding dwarf, compact strain. Has value as a pot plant. More solidly compact flower heads and later flowering than above.

Tr. pkt., 50c; 1/8 oz., \$1.00.

**Tall Fiery Red.** 4 ft. Brilliant crimson and scarlet.

Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

\***Thompsoni Magnifica.** See novelty list, page 2. 4 ft. Mixture of all colors in this tall class, red shades predominating. We have a fine strain of this very showy variety.

Tr. pkt., 25c; 1/4 oz., 65c; oz., \$2.25.

**CHILDSII.** 4 ft. Chinese Woolflower.

**Crimson.** Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

**Mixture.** Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.



*Chrysanthemum Segetum*—a very excellent spring cut-flower item and easily handled.

**CENTAUREA.**

**Candidissima and Gymnocarpa.** See *Dusty Miller*.

\***Suaevalens.** Yellow Sweet Sultan. Very good bright yellow thistle-like flowers. Does very well indoors from a January sowing. Stems 18 inches long indoors. Tr. pkt., 15c; 1 oz., 40c.

**CYANUS DOUBLE.** Bachelor Button or Cornflower. Very free-flowering and good for cutting either outdoors or in the greenhouse from a January sowing.

®**Jubilee Gem.** (New). A dwarf, compact growing form, deep blue flowers. 10 to 12 inches tall. Well adapted and nice for outdoor bedding and border work.

Tr. pkt., 50c; 1/4 oz., 85c; oz., \$3.00.

\***Blue Boy.** An improved strain of the popular dark blue. This color is by far the most valuable one. Others are **Blue, Carmine, Rose and White.** Rose is a very good cut flower shade.

Each: Tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.40.

**Mixture.** Tr. pkt., 15c; 1 oz., 25c; 4 ozs., 80c.

**IMPERIALIS.** Sweet Sultan. Larger flowered than *Cyanus*. Double, thistle type flower.

**Amaranth-Red, \*Brilliant Rose, \*Deep Lavender, \*Delicate Lilac, Rose, White.**

Each: Tr. pkt., 20c; 1 oz., 50c.

**Mixture.** Tr. pkt., 15c; 1 oz., 50c.

**AMERICANA.** Still larger flowered than the *Imperialis*. Of value for outdoor growing. **Lilac and White** are the two good colors.

Each: Tr. pkt., 15c; 1 oz., 50c.

**CHRYSANTHEMUM. (Annual).**

The two types listed furnish an attractive line of colors in single Daisy-like flowers for spring greenhouse forcing. Respond readily to electric light treatment for early flowering.

**SEGETUM.**

\***Eldorado.** Bright yellow with dark brown disc. One of the best.

Tr. pkt., 15c; 1/2 oz., 25c; 1 oz., 45c.

**Eastern Star.** Primrose with brown disc. Tr. pkt., 15c; 1 oz., 35c.

**Evening Star.** Golden yellow.

Tr. pkt., 15c; 1 oz., 35c.

**Morning Star.** Pale primrose.

Tr. pkt., 15c; 1 oz., 25c.

**Gloria Alba.** White, pale yellow disc. Tr. pkt., 15c; 1 oz., 25c.

**Mixture of Above.** Tr. pkt., 15c; 1 oz., 25c.

**CARINATUM.**

**Burridgeanum.** White, scarlet zone.

Tr. pkt., 15c; 1 oz., 25c.

\***Northern Star.** White with dark center and yellow band. One of the most attractive.

Tr. pkt., 15c; 1 oz., 25c.

**CINERARIA Maritima, Diamond.** See *Dusty Miller*.

## MISCELLANEOUS ANNUALS—Continued

**CLARKIA Elegans, Double.** Our market stands a considerable quantity of this attractive cut flower. Sow in January, grow on in a flat or shallow raised bed. After the plants are well started, Clarkia must be run dry and not fed. Improved by disbudding to two or three spikes to a plant.

**Albatross.** The best white.

**Apple Blossom.** Light pink, rather light for market purposes.

\***Brilliant.** Bright deep rose. Very good color.

**Chieftain.** A deep bright mauve.

**Enchantress.** Light salmon-pink. Pleasing color.

**Firebrand.** Fairly deep scarlet.

\***La France.** Light salmon-pink. Best in this class.

\***Orange King.** Large, fully double orange-scarlet. Excellent market variety.

\***Salmon Queen.** Medium light salmon-pink. Very good.

**Vesuvius.** Orange King much better.

**Prices on above, each:**

Tr. pkt., 20c; 1 oz., 60c.

**Glorious.** Brilliant crimson-scarlet.

Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

**Mixture of Above Colors.** Tr. pkt., 15c; 1 oz., 50c.

**COBAEA Scandens.** Excellent annual climber.

**Purple.** Tr. pkt., 15c; 1 oz., 50c.

**White.** Tr. pkt., 20c; 1 oz., 75c.

**COLEUS Hybrida.** Seedling Coleus are valuable for plant combinations and largely used for this purpose. They vary considerably, also produce beautiful color variations from which new and exhibition stock may be propagated through cuttings.

**Giant Exhibition Mixture.** The finest strain we are able to find. Produces a high percentage of large, brilliantly colored plants.

Tr. pkt., \$1.00; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

\***Rainbow Mixture.** A very good mixture.

Tr. pkt., 35c; 1/16 oz., \$1.00.

\***Dwarf Red Shades.** All large-leaved. Not as tall as above strain. Autumn shades of red and bronze. Very richly colored.

Tr. pkt., 50c.

**Hybrida Mixture.**

Tr. pkt., 35c; 1/8 oz., 60c; 1 oz., \$3.50.

**CONVOLVULUS.** Morning Glory.

**Major Mixed.** Tall.

1 oz., 10c; 1 lb., 85c.

**Minor Mixed.** Dwarf.

1 oz., 10c; 1 lb., 85c.

**COSMOS.**

**EXTRA EARLY EXPRESS.** Flowers in 45 days from an outdoor sowing. **Pink, White and Mixture.**

Each: Tr. pkt., 20c; 1/2 oz., 45c; 1 oz., 75c.

**EARLY SINGLE MAMMOTH FLOWERING.** The standard large-flowered type. **Crimson, Pink, White, Mixture.** Each: Tr. pkt., 15c; 1 oz., 40c.

**COSMOS—Continued.**

**EXTRA EARLY DOUBLE ANEMONE-FLOWERED OR CRESTED.** Our strain produces fully 50% large, crested flowers. **Carmelia**, crimson; **Peach Blossom**, Whirlwind, white; **Mixture.** Each: Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

**GIANT-FLOWERED LADY LENOX.** This class is most too late-flowering to escape early frosts in our latitude. **Pink, White and Mixture.**

Each: Tr. pkt., 15c; 1 oz., 25c.

**HYBRIDA KLONDYKE.**

**Orange.** Late single. 135 days from seed to flowering. Orange Flare is the same color but very early flowering. Tr. pkt., 15c; 1 oz., 60c.

\***Orange Flare.** See novelty list, page 2. Tr. pkt., 25c; 1/2 oz., 60c; 1 oz., \$1.00.

**SENSATION.** (New). Extra early flowering. See novelty list on page 2. In addition to the original strain which is a mixture, we offer this year the two separate colors listed below. They are selections out of the original mixture and identical to it in flower type and earliness.

\***Pink, White, and Mixture.**

Each: Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

**CYCLAMEN.** After a personal inspection of German Cyclamen seed growing we are firmly convinced that the Binnewies strains well deserve the wide popularity they enjoy everywhere. In carrying out our policy of supplying only the best in all lines we offer exclusively Binnewies' strains of Cyclamen in original containers.

**No. 1 Dark Blood-Red.** 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 2 Bright Red.** 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 3 Pure Rose.** 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 4 Soft Rose.** Carmine eye. (Improved Rose of Marienthal). 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 5 White.** Carmine eye. 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 6 Pure white.** 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 7 Bonfire.** Brilliant salmon. 100, \$1.70; 1000, \$15.00; 5000, \$69.00.

**No. 8 Salmon-Scarlet.** America Improved. 100, \$2.00; 1000, \$16.00; 5000, \$73.00.

**No. 9 New Salmon-Rose Improved.** 100, \$1.50; 1000, \$13.00; 5000, \$59.00.

**No. 10 Glory of Wandsbek**, or Perle of Zehlendorf. Dark salmon. 100, \$1.50; 1000, \$12.00; 5000, \$55.00.

**No. 11 Rose of Zehlendorf.** Light salmon. 100, \$1.50; 1000, \$12.00; 5000, \$55.00.

**No. 12 Orange Beauty.** Orange-vermillion. 100, \$1.80; 1000, \$17.00; 5000, \$78.00.

**No. 14 Morning Red.** 100, \$1.60; 1000, \$13.00; 5000, \$60.00.

**No. 15 Saffron-Red.** 100, \$1.40; 1000, \$11.00; 5000, \$50.00.

**CYCLAMEN—Continued.**

**No. 16 Saffron-Red.** Silver edged. 100, \$1.60; 1000, \$13.00; 5000, \$60.00.

**No. 17 Striata Mixed Varieties.** 100, \$1.40; 1000, \$11.00; 5000, \$50.00.

**No. 18 Mozart.** Deep pink. 100, \$1.80; 1000, \$17.00; 5000, \$78.00.

**No. 19 Lavender.** 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**No. 20 New Ruffled.** In colors. Especially attractive class. 100, \$2.00; 1000, \$18.50; 5000, \$86.00.

**No. 21 Pink Pearl.** Salmon-pink. 100, \$1.80; 1000, \$17.00; 5000, \$78.00.

**Cristata.** Pure white feathered. 100, \$1.60; 1000, \$13.00; 5000, \$60.00.

**Mixture of Above Colors.** 100, \$1.15; 1000, \$10.00; 5000, \$46.00.

**VOGT'S DOUBLE STRAIN.** We believe the future improvement in Cyclamen will be along the lines of this duplexed strain. We handle only the originator's, John Vogt, seed of this attractive class.

**Cerise Brilliant.** Rich cerise-red. 100, \$2.50; 250, \$5.75; 500, \$10.75; 1000, \$20.00.

**Prosperity.** Flaming rich rose. 100, \$2.50; 250, \$5.75; 500, \$10.75; 1000, \$20.00.

**Admiration.** Salmon-rose with shaded eye. 100, \$2.50; 250, \$5.75; 500, \$10.75; 1000, \$20.00.

**Rosea.** Soft rose shading with light at tip of petals. 100, \$2.50; 250, \$5.75; 500, \$10.75; 1000, \$20.00.

**Mixture of Above Four Colors.** 100, \$2.50; 250, \$5.75; 500, \$10.75; 1000, \$20.00.

**CYNOGLOSSUM Amabile.** Chinese Forget-me-not. 24 inches.

**Blue.** The preferred color.

Tr. pkt., 15c; 1 oz., 30c.

**Pink.**

Tr. pkt., 20c; 1/2 oz., 50c; 1 oz., 80c.

**CYPERUS Alternifolius.** Umbrella Plant. Tr. pkt., 20c; 1 oz., \$1.00.

**DAHLIA.** The strains we offer are all easily grown from seed and flower the first season if sown early in the spring and transplanted outdoors. Valuable for cutting and garden decoration as well as a source of specimen plants for tuber propagation.

\***Unwin's Dwarf Hybrids.** 18 inches. Semi-double with a wide range of colors. We offer this season a particularly attractive range of colors in this type. Year-old tubers grown in the field are valuable for spring pot plants if potted in February and started in a cool house. See novelty list on page 2. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25; 4 ozs., \$8.00.

**Decorative and Cactus Mixed.** 30 in. Varies considerably in flower type and height. Some very excellent specimens appear in this strain. Tr. pkt., 50c; 1/4 oz., \$1.75.

**Lilliput or Pompon Mixture.** A good proportion of these are perfectly formed double, pompon-like flowers. 24 in. Tr. pkt., 75c; 1/8 oz., \$2.00.

## MISCELLANEOUS ANNUALS—Continued

### DAHLIA—Continued.

**COLTNESS STRAIN.** Single. 18 inches. These strains are very uniformly dwarf and true to color and are excellent for garden decoration.

**\*Scarlet Gem.**

Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.25.

**\*White.**

Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.25.

**\*Yellow.**

Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.25.

**Mixture.**

Tr. pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

**DELPHINIUM Chinensis.** This annual Delphinium type has considerable value for spring forcing in the greenhouse. Seed should be sown in October.

**\*Cambridge Blue.** Standard Belladonna-blue annual.

Tr. pkt., 35c; 1/4 oz., 60c; oz., \$2.00.

**Dark Blue, White.**

Each: Tr. pkt., 20c; 1 oz., 75c.

**Mixture.** Tr. pkt., 15c; 1 oz., 60c.

### DIANTHUS.

**®Annual Sweet William** (D. barbato sinensis). 12 inches. Single mixed. Tr. pkt., 15c; 1 oz., 50c.

### SWEET WIVELSFIELD

12 inches. An improved large flowered form of Annual Sweet William. Brilliant colors and free flowering.

**Single Mixture.** The standard original Sweet Wivelsfield.

Tr. pkt., 20c; 1 oz., 75c.

**Double Magenta with White Eye** and **Double Wine-Red.** Both come about 75% true and are attractive colors.

Each: Tr. pkts. only 50c.

**Double Mixture.** A strain with a great variation of brilliant and interesting colors.

Tr. pkt., 50c; 1/4 oz., \$1.00.

**HEDDEWIGII.** Double Japanese Pinks. 10 inches, and free flowering. Fine for rock gardens.

**Fireball.** Deep scarlet.

Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 80c.

**Pink Beauty.** Blush pink.

Tr. pkt., 20c; 1 oz., 80c.

**Snowdrift.** Extra large-flowered pure white.

Tr. pkt., 20c; 1 oz., 80c.

**Mourning Cloak.** Blackish maroon margined white, very attractive type.

Tr. pkt., 15c; 1 oz., 50c.

**Diadem Mixture** of above colors.

Tr. pkt., 20c; 1 oz., 75c.

**\*Laciniatus Splendens.** Extra large 2-inch flowers. Brilliant crimson with a large white eye. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

### DIDISCUS Coeruleus.

**\*Blue Lace Flower.** Valuable for spring greenhouse forcing. Tr. pkt., 20c; 1 oz., 80c.

### ®DIMORPHOTHECA Aurantiaca.

**Hybrids Mixed.** 12 in. Orange flowers. Makes nice early flowering garden annual. Some value for cutting. Tr. pkt., 20c; 1 oz., 75c.

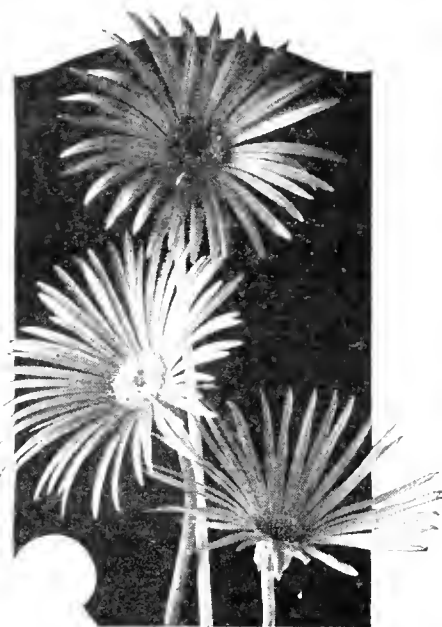
### DRACAENA.

**Australis.** Broad-leaved.

Tr. pkt., 20c; 1 oz., 75c.

**Indivisa.** Narrow-leaved and most popular.

Tr. pkt., 15c; 1 oz., 40c.



**Gerbera Jamesonii**  
Flowers last 10 days to 2 weeks after cut. They do best in a light or sandy, well drained deep soil and a 55 degree house.

### ®DUSTY MILLER.

**Centaurea Candidissima.** 6 inches. Of slow growth; start early.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.40.

**Centaurea Gymnocarpa.** 24 inches. Heaviest and most rapid grower.

Tr. pkt., 20c; 1 oz., 50c.

### CINERARIA MARITIMA, DIAMOND.

According to our trial ground reports, this is the outstanding Dusty Miller from the standpoint of dwarf, compact habit and white foliage. Notice that we list two strains.

**\*Extra Dwarf.** This is the most dwarf, compact strain.

Tr. pkt., 35c; 1 oz., 75c.

**Medium Dwarf.** A very even strain slightly taller than above.

Tr. pkt., 20c; 1 oz., 50c.



From left to right: *Centaurea Candidissima*; *Cineraria Maritima* Diamond, extra dwarf; same but medium dwarf; *Centaurea Gymnocarpa*. We find *Maritima* Diamond, medium dwarf, should be generally preferred. *Centaurea Candidissima* grows slowly and should get an early start.

### EUPHORBIA.

**Heterophylla.** Annual Poinsettia or Mexican Fire Plant. Makes good solid hedge with small poinsettia-like flowers at tips of branches. 36 inches.

Tr. pkt., 15c; 1 oz., 65c.

**Variegata.** Snow-on-the-Mountain.

Tr. pkt., 15c; 1 oz., 35c.

**\*EXACUM affine atrocoeruleum.** A very attractive, easily grown, richly fragrant pot plant.

Tr. pkt., \$1.00; 1/64 oz., \$2.00.

**FOUR O'CLOCK.** See Marvel of Peru.

**GAILLARDIA Lorenziano.** Double mixture of yellow and red shades. 18 in. Tr. pkt., 15c; 1 oz., 40c.

**GERBERA, Jamesonii Hybrids.** A popular greenhouse forcing plant, also hardy if well protected. We supply only freshly harvested seed. Mixture.

100 seeds, 40c; 500 seeds, \$1.75; 1000 seeds, \$3.00.

**GILIA Capitata.** Blue Thimble Flower. 24 inches. Ball-shaped with some cutting value. Attractive feathered foliage.

Tr. pkt., 15c; 1 oz., 25c.

**GLOXINIA.** 4- to 5-inch pot plants may be grown in 6 to 8 months from seed. Requires uniformly moist, warm atmosphere and protection from direct sun.

**\*Crimson Glow.** (New). Rich velvety crimson-scarlet. Very free flowering. Tr. pkt., \$1.00; 1/64 oz., \$2.50.

**\*Frederick Benary.** (Gigantea). Extra bright scarlet, white throat.

Tr. pkt., \$1.00; 1/64 oz., \$2.50.

**Defiance.** Rich glowing scarlet.

Tr. pkt., \$1.00; 1/64 oz., \$1.50.

**Emperor William.** (Crassifolia Erecta). Dark violet bordered white.

Tr. pkt., \$1.00; 1/64 oz., \$1.50.

**Tigered and Spotted Mixture.** Attractively variegated colors.

Tr. pkt., \$1.00; 1/64 oz., \$1.50.

**Benary's Giant Mixture.** (Gigantea). The finest mixed strain we know of.

Tr. pkt., \$1.00; 1/64 oz., \$1.50.

**GODETIA.** Require shallow soil for greenhouse use, the same as Clarkia. Following varieties are all good commercial colors in the large-flowered class.

**\*The Bride.** Attractive combination of white and crimson.

Tr. pkt., 20c; 1 oz., 60c.

**Sweetheart.** Dwarf. 24 in. Double poppy-like flower. Clear pink color.

Tr. pkt., 25c; 1 oz., \$1.00.

**\*Sybil Sherwood.** Bright salmon-pink edged white. Medium dwarf.

Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., 85c.

**Thunderbolt.** Deep crimson, medium dwarf.

Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

**Duchess of Albany.** Pure satiny white. Extra large-flowered; tall. Tr. pkt., 20c; 1 oz., 50c.

**\*Wild Rose.** Dwarf single. Pleasing shade of medium deep pink. Choice for pot plant and border. Tr. pkt., 25c; 1/4 oz., 35c; 1 oz., \$1.00.

**Tall Double Mixture.**

Tr. pkt., 15c; 1 oz., 50c.

**GOMPHRENA.** (Globe Amaranth). Everlasting. Nice material for garden decoration and cutting.

**\*Aurea Superba.** Orange. Large flowered, choice for cutting; needs support. Tr. pkt., 15c; 1 oz., 40c.

### ®GLOBOSA. Round, ball-like flowers.

**Rose.** Light rose-pink. 30 inches.

Tr. pkt., 15c; 1 oz., 25c.

**Rubra.** Bluish purple. A very bright deep purple. 30 inches.

Tr. pkt., 15c; 1 oz., 25c.

**White.** Grayish white. 30 inches.

Tr. pkt., 15c; 1 oz., 25c.

**\*Nana Compacta Rubra.** 8 in. Dwarf strain of Rubra. Very choice for edging. Tr. pkt., 15c; 1 oz., 40c.

**Mixed.** Tr. pkt., 15c; 1 oz., 25c.

MISCELLANEOUS ANNUALS—Continued



Ornamental Gourds—all types mixed

**GOURDS, Ornamental.** The varieties listed below should be well worth becoming acquainted with. Gourds are easily grown and when properly dried and varnished last indefinitely.

\***La Montagne Strain.** This is the finest mixed strain we have ever seen. Our seed comes direct from the originator, Louis La Montagne, of Woburn, Mass., who has spent considerable time developing this specialty of his. Mr. La Montagne has written a circular outlining his method of growing Gourds, a copy of which we will gladly enclose with your order if requested.

Tr. pkt., 35c; 1/4 oz., 50c; oz., \$1.50.

We also list the following segregated types that are well worth trying. Both the large and small class of Gourds vary some in type.

**LARGE TYPE.**

**Calabash.** Pipe or Powder Horn Gourd. Light green. 10 inches long, tapering to bottom.

Tr. pkt., 10c; 1 oz., 25c.

**Dipper.** Light green, slightly mottled white. 18 to 24 in. and very slender.

Tr. pkt., 10c; 1 oz., 25c.

**Sugar Trough or Corsican Gourd.** Light green, turning to white. 4 inches high by 6 to 8 inches wide.

Tr. pkt., 10c; 1 oz., 25c.

**SMALL TYPES.**

**Small Bottle.** Greenish white, shape of small bottle. 2 to 4 inches high and 1 to 2 inches through.

Tr. pkt., 10c; 1 oz., 25c.

**Orange.** About the color and shape of an orange. About 2 inches through.

Tr. pkt., 10c; 1 oz., 25c.

**Pear.** Striped alternately with green and yellow bands with some white markings. About 2 inches high and 1 inch through.

Tr. pkt., 10c; 1 oz., 25c.

**Spoon.** More or less spoon-shaped. Orange and white striped. 4 to 6 in. long by 1 inch.

Tr. pkt., 10c; 1 oz., 25c.

**Warted Types Mixed.** Not over 4 in. in diameter. A rather novel and attractive mixture.

Tr. pkt., 10c; 1 oz., 25c.

**GREVILLEA Robusta.** (Australian Silk Oak). Seeds sown in early spring and grown in a 60° house should produce nice 5-inch pat plants by fall. Enjoy plenty of bottom heat and a well drained loose soil.

Tr. pkt., 20c; 1/2 oz., 40c; 1 oz., 75c.

**GYPSOPHILA Elegans** (Baby's Breath). The first two strains listed are of the new large-flowered, full petalled type. We regularly run trials of all varieties and strains of annual "Gyp" and feel certain that we are not overlooking improvements.

**London Market.** The largest flowered strain we know of. Fairly even stock. 1 oz., 25c; 4 ozs., 60c; 1 lb., \$1.75; 5 lbs., \$7.00.

\***Covent Garden Market.** Large-flowered and full petalled flowers. Generally have 6 to 8 petals instead of the usual 4 to 5.

1 oz., 20c; 4 ozs., 50c; 1 lb., \$1.60; 5 lbs., \$6.50.

\***Paris Market.** Standard medium size strain.

1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.

**Carminea.** Same habit as others but rather small, bright carmine-pink flowers.

Tr. pkt., 15c; 1 oz., 25c.

**Crimson.** A deep carmine-crimson color. Considerably deeper than above.

Tr. pkt., 15c; 1 oz., 25c.

**HELIANTHUS.** (Sunflower).

**Dwarf Chrysanthemum-Flowered.** Good proportion of fully double flowers.

Tr. pkt., 10c; 1 oz., 20c.

**Russian.** Large, single Sunflower.

1 oz., 10c; 1 lb., 50c.

**HELICHRYSUM Monstrosum.** Popular double Strawflower.

**Canary-Yellow, Crimson, Golden Globe, Salmon, Rose-Carmine, Scarlet, Fireball, Rose Queen, White.**

Each: Tr. pkt., 15c; 1 oz., 60c.

**Mixture of Above Colors.**

Tr. pkt., 15c; 1 oz., 50c.

**HELIOTROPE, Lemoine's Giant Mixture.**

Easily grown from seed. 2 feet.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.50.

**HUNNEMANNIA Fumariaefolia.**

**Bush Eschscholtzia.** Yellow.

Tr. pkt., 15c; 1 oz., 50c.

**Sunlite.** Brilliant canary-yellow. Semi-double.

Tr. pkt., 25c; 1/4 oz., 45c; oz., \$1.50.

**IMPATIENS.** Standard pot plant. Does well in the garden in partial shade.

**Sultanii.** Bright rose. 18 inches.

Tr. pkt., 35c; 1/32 oz., 60c.

**Holstii Liegnitzia.** 10 inches. Deep vermilion-red. Very free-flowering. Good.

Tr. pkt., 50c.

**Holstii Hybrids.** Mixture.

Tr. pkt., 40c; 1/32 oz., 75c.

**IPOMOEA, \*Heavenly Blue.** Clark's Mammoth Early Free Flowering. 10 days earlier, makes less foliage than original strains. Grow in light, sandy, poor soil. Even a normal amount of soil moisture is responsible for the heavy growth with few flowers frequently complained of. We suggest the seed be sown early and the plants hardened into flower in pots. See novelty list on page 2.

Tr. pkt., 25c; 1 oz., 90c.

**Rose Marie.** Double deep rose. Very free-flowering and early. Nice.

Tr. pkt., 25c; 1 oz., 60c.

**Quamoclit.** Cardinal Climber.

Tr. pkt., 15c; 1 oz., 60c.

**NOCTIFLORA.** Moonflower. Large-flowered white.

**Black-Seeded, White-Seeded.**

Each: Tr. pkt., 15c; 1 oz., 40c.

**ISOLOMA Hirsutum Multiflorum Hybridum.** Choice tuberous-rooted pot plant 6 to 8 inches. Requires about the same care as Gloxinias.

Tr. pkt., \$1.00.

\***KALANCHOE Globulifera Coccinea.**

Popular spring flowering pot plant and easily grown from seed. From a January sowing grown in a 55° to 60° temperature in a light porous soil, Kalanchoe can be flowered for Christmas by shading with black cloth from 5 p. m. to 7 a. m. from August 15 to September 15.

Liberal Tr. pkt., 60c; 3 Tr. pkts. for \$1.50.

**KOCHIA.** (Summer Cypress).

**Childsii.** We have a very even strain of this ornamental bush. Stays green throughout the season, and makes a very ornamental hedge with Fiery Feather Celosia.

Tr. pkt., 10c; 1 oz., 20c.

**Trichophylla.** Same as above but not quite so dense foliage and turns a flaming red late in the summer.

Tr. pkt., 10c; 1 oz., 20c.

**LANTANA, Dwarf Hybrids Mixed.** Seed must be sown early and with bottom heat.

Tr. pkt., 15c; 1 oz., 60c.

**LEPTOSYNE Stillmanii.** 18 in. Golden yellow. Good for cutting.

Tr. pkt., 15c; 1 oz., 75c.

**LINARIA Maroccana.**

**Fairy Bouquet.** Miniature Snapdragon. 10 in. Flowers early and very freely. Very bright mixture of colors.

Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., 90c.



Ipomoea, Heavenly Blue

MISCELLANEOUS ANNUALS—Continued

® **LOBELIA.** The following come very true to their dwarf, compact or pendulous habit and make excellent border or rock garden subjects, and are largely used for bedding and edging.

**COMPACTA.** Dwarf, compact habit.

\***Blue Gown.** 6 in. Deep clear dark blue. Dark green foliage; very fine.

Tr. pkt., 25c; ¼ oz., 75c.

**Blue Stone.** 5 in. Deep blue.

Tr. pkt., 25c; ¼ oz., 75c.

\***Cambridge Blue.** 4 in. Light blue, white eye. Light green foliage.

Tr. pkt., 35c; ¼ oz., \$1.00.

\***Crystal Palace.** 4 in. Dark ultramarine-blue. Dark green foliage. Good.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

**Emperor William.** 6 in. Deep blue. Light green foliage.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.50.

\***Mrs. Clibran Improved.** 4 in. Dark blue, contrasting white eye. Light foliage. Excellent.

Tr. pkt., 25c; ¼ oz., 90c.

\***Mauve Queen.** (New). Attractive light lilac. Compact, even growth.

Tr. pkt., 35c; ¼ oz., \$1.00.

\***White Lady.** Pure glistening white. Nice contrast with green foliage.

Tr. pkt., 35c; ¼ oz., \$1.00.

**PENDULA.** Of trailing habit, suitable for window boxes.

\***Hamburgia.** Deep blue, white eye. Dark foliage. Very even strain.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

\***Sapphire.** Deep blue, pronounced white eye. Light green foliage.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

**Angelina.** White. Light green foliage.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.80.

**LUPINUS.** Standard greenhouse forcing crop to follow 'Mums or early Peas.

\***Sulphureus Superbus.** Golden yellow. 28 inches.

Tr. pkt., 15c; 1 oz., 40c.

**Luteus Romulus.** Dwarf yellow, richly fragrant. 15 inches.

Tr. pkt., 15c; 1 oz., 50c.

**HARTWEGII.**

\***Dark Blue.** The best selling standard color.

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 75c.

\***Sky Blue.** Fairly good market color.

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 75c.

**Roseus.** Of limited commercial value.

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 75c.

**White.**

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 75c.

**Mixed.**

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 75c.

**Giant King Oxford Blue.** Deep blue with white stripe. Base-branching.

Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

**Giant King Mixed.** Various colors in this new type.

Tr. pkt., 20c; 1 oz., 75c.

**MARIGOLD.** See page 22.

**MARVEL OF PERU.** (Four O'clock). All colors mixed. Dwarf strain.

Tr. pkt., 15c; 1 oz., 25c.



The Giant King Type is said to improve the old strain in vigor of growth.

**MIGNONETTE.**

\***Ball Strain.** Light colored flowers and 2 to 3 weeks earlier than New York Market. We have found a crop of this special greenhouse forcing strain a profitable one when sown in August in pots and transplanted while still small. Disbudding necessary for large spikes. May also be sown in January for spring crop.

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.00.



Nasturtium, Bodger's Semi-Double Gleam Hybrids—all colors, and both climbing and compact habit. The climbing kind should be used for greenhouse cutting. No retail grower should be without some of this. Use raised bed.

**MIGNONETTE—Continued.**

**New York Market.**

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.00.

**MACHET.** Suited for summer bedding work.

**Golden Goliath. Goliath Red.**

Each: Tr. pkt., 15c; 1 oz., 75c.

**MIMOSA Pudica.** Sensitive Plant.

Tr. pkt., 20c; 1 oz., 40c.

® **MYOSOTIS.** Forget-Me-Not.

\***Ball's Early.** Not quite as tall as Blue Bird but very free and early flowering. For full description see Novelty page 3.

Tr. pkt., 35c; ¼ oz., 75c.

**Ruth Fischer.** Clear blue, very compact habit. Fine for pot culture.

Tr. pkt., 35c; 1/32 oz., 65c.

(For other Myosotis see perennial section).

**NASTURTIIUM.**

**DOUBLE SWEET SCENTED OR GLEAM VARIETIES.** Bright colors, free flowering and long stems suit this double class ideally for the home gardener as well as the florist for combination work, window boxes and cutting. No retail grower should be without them. We offer only Bodger strains.

\***Golden Gleam.** Original semi-trailing double Nasturtium. Deep golden yellow. 1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.25.

\***Scarlet Gleam.** Identical to Golden Gleam except a brilliant scarlet. Tr. pkt., 15c; 1 oz., 30c; 4 ozs., \$1.00.

**Fire Gleam.** (New). Brilliant scarlet. Tr. pkt., 25c; oz., 75c; 4 ozs., \$2.00.

**Moon Gleam.** Light golden cream. Tr. pkt., 25c; oz., 75c; 4 ozs., \$2.00.

**Orange Gleam.** (New). Deep glowing orange. Tr. pkt., 25c; oz., 75c; 4 ozs., \$2.00.

**Salmon Gleam.** Delicate golden salmon. Tr. pkt., 25c; oz., 75c; 4 ozs., \$2.00.

**Gleam Hybrids.** A brilliant mixture of 6 to 8 distinct color types and attractively variegated combinations.

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 85c.

**DWARF DOUBLE CLASS.** This new class in double Nasturtiums makes a very attractive dwarf, compact, rounded plant. 12 to 15 inches high.

**Globe of Fire.** (New). Brilliant scarlet. Tr. pkt., 35c; ½ oz., 75c; oz., \$1.25.

**Golden Globe.** Same color as Golden Gleam.

Tr. pkt., 15c; 1 oz., 50c; 1 lb., \$4.00.

**Mixture** of above and other colors in this class.

Tr. pkt., 15c; 1 oz., 30c; 4 ozs., 85c.

**SINGLE VARIETIES.**

**Cloth of Gold.** Scarlet, golden foliage. Dwarf.

1 oz., 10c; 4 ozs., 30c; 1 lb., \$1.00.

**Empress of India.** Deep scarlet, dark foliage. Dwarf.

1 oz., 10c; 4 ozs., 30c; 1 lb., \$1.00.

**Golden King.** Indian yellow, dark foliage. Dwarf.

1 oz., 10c; 4 ozs., 30c; 1 lb., \$1.00.

**Mixture of All Colors** in dwarf class. 1 oz., 10c; 4 ozs., 30c; 1 lb., \$1.00.

**California Giants Mixed.** Mixture of all colors in the tall or trailing class.

1 oz., 10c; 4 ozs., 30c; 1 lb., \$1.00.

MISCELLANEOUS ANNUALS—Continued

**NEMESIA Strumosa Suttoni.**

**GRANDIFLORA.** Large-flowered and long-stemmed. 14 inches. Fine for spring cutting. The following varieties come quite true. The mixture in this class is attractive and valuable for greenhouse forcing.

**Blue.**

Tr. pkt., 35c; ¼ oz., 75c.

**Cherry Red.**

Tr. pkt., 25c; ¼ oz., 60c.

**Orange.** Good bright color.

Tr. pkt., 25c; ¼ oz., 60c.

**Scarlet.**

Tr. pkt., 25c; ¼ oz., 60c.

**Rose.** Rather deep heavy color.

Tr. pkt., 35c; ¼ oz., 75c.

**White.**

Tr. pkt., 35c; ¼ oz., \$1.00.

**Mixture of all colors in this class.**

Tr. pkt., 25c; ¼ oz., 50c.

**®NANA COMPACTA.** More dwarf than the Grandiflora. 8 inches and branches freely from base. Excellent for bedding, pot work, and for combination boxes.

**\*Aurora.** Carmine-crimson with white. Attractive.

Tr. pkt., 35c; ¼ oz., 75c.

**\*Blue Gem Improved.** Nice Delphinium-blue. This season we offer a new, deeper blue strain of this variety.

Tr. pkt., 35c; ¼ oz., 75c.

**Fire King.** Scarlet.

Tr. pkt., 25c; ¼ oz., 60c.

**\*Orange Prince.** A rich bright orange.

Tr. pkt., 35c; ¼ oz., 75c.

**White Gem.**

Tr. pkt., 35c; ¼ oz., \$1.10.

**Triumph Mixed.** A mixture of all colors in this class.

Tr. pkt., 25c; ¼ oz., 50c.

**NICOTIANA. (Tobacco Plant).**

**Suaveolens.** Miniature white. Small-flowered, sweet scented. 18 inches.

Tr. pkt., 35c; 1/16 oz., 75c.

**AFFINIS.**

**White.** Sweet-scented. Tall. 36 in.

Tr. pkt., 15c; 1 oz., 30c.

**\*Crimson Bedder.** 15 inches. Makes very compact row. Free flowering, deep crimson-red.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

**NIGELLA. Damascena Double.**

**Miss Jekyll. (Love-in-a-Mist).** Corn-flower-blue.

1 oz., 15c.

**Mixture** containing shades of light and dark blue and white.

1 oz., 15c.

**OENOTHERA. Evening Primrose.**

**Afterglow.** Yellow with bright red calyx. 32 inches.

Tr. pkt., 20c; 1 oz., 50c.

**Lamarckiono.** Yellow. 40 inches.

Tr. pkt., 15c; 1 oz., 25c.

**PANSY**

A very profitable way of handling Pansies is to sow the seed indoors during January, grow and sell the small plants out of flats during April and May. We have complete stock of new crop seed on all the following varieties.



Phlox should be sown direct in our latitude for best results outdoors. The toll or Grandiflora class has summer cut flower value for retail growers.

**PANSY—Continued.**

**\*Boll Giant Mixture.** We recommend this as the best all-purpose strain available after five years of trying out Pansies from all over the world. Fairly long-stemmed with an especially bright mixture of original colors. Extra large-flowered.

Tr. pkt., 40c; ¼ oz., \$1.50; ½ oz., \$3.00; 1 oz., \$5.50; 4 ozs., \$20.00.

**\*Boll Giant Mixture, Dwarf.** Identical to the above except of a distinctly more dwarf and compact habit.

Tr. pkt., 50c; ¼ oz., \$2.00; ½ oz., \$3.50; 1 oz., \$6.00.

**Engelmann's Special.** Particularly choice for bedding because of an extra dwarf, compact habit. Predominating in rich brownish red shades. 5-blotched. We supply only Mr. Engelmann's seed of this and the following.

Tr. pkt., 50c; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$8.00.

**Engelmann's Giants.** A good, large-flowered mixture of bright colors. Compact habit.

Tr. pkt., 50c; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$8.00.

**Sunset. (New).** A small flowered, extra dwarf, compact bedding strain. Mahogany-bronze.

Tr. pkt., \$1.00; ⅛ oz., \$2.00.

**Maple Leaf Giants.** Probably the largest flowered strain we have. An especially strong growth producing long stems makes it suitable for greenhouse forcing for cut flowers.

Tr. pkt., 50c; ¼ oz., \$2.25; ½ oz., \$4.00; 1 oz., \$7.00; 4 ozs., \$25.00.

**\*Super Maple Leaf Giants.** A selection from the above for larger flowers and strong growth.

Tr. pkt., 75c; ¼ oz., \$2.60; ½ oz., \$5.00; 1 oz., \$9.00.

**Roggli Giants.** An improved strain of especially rich coloring. Large-flowered.

Tr. pkt., 50c; ¼ oz., \$1.50; ½ oz., \$2.50; 1 oz., \$4.50; 4 ozs., \$15.00.

**Steele's Jumbo Mixture.** We believe this to be Mr. Steele's finest strain of Pansies and we find it in considerable demand. Strong growth, extra long-stemmed and large-flowered. Originator's seed only.

Tr. pkt., 75c; ¼ oz., \$3.25; ½ oz., \$6.25; 1 oz., \$12.00.

**PANSY—Continued.**

**Super Swiss Giants.** An especially selected Swiss Giant mixture.

Tr. pkt., 50c; ¼ oz., \$2.00; ½ oz., \$3.75.

**Improved Swiss Giants.** A mixture of all the colors in this group.

Tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.25; 1 oz., \$6.00; 4 ozs., \$20.00.

**SWISS GIANT SEPARATE COLORS.**

**Alpenglow.** Rich garnet-red.

Tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.25; 1 oz., \$6.00.

**Rhinegold.** Yellow with brown blotches.

Tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.25; 1 oz., \$6.00.

**Lake of Thun.** Rich deep blue with darker blotches.

Tr. pkt., 50c; ¼ oz., \$1.50; ½ oz., \$2.75; 1 oz., \$5.00.

**Mont Blanc.** Clear white with very little penciling.

Tr. pkt., 50c; ⅛ oz., \$1.00.

**SMALL-FLOWERED BEDDING VARIETIES.** These come very true and are of a dwarf, compact habit.

**Golden Queen.** Clear yellow.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

**Lord Beaconsfield.** A standard blue bedding variety.

Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.50.

**Snow Queen.** Clear white.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.50.

**PENTSTEMON. Beard Tongue.**

**Southgate Gem.** Glowing scarlet.

Tr. pkt., 40c; ¼ oz., \$1.00.

**GLOXINOIDES.**

**Red Shades. Rose Shades.**

Each: Tr. pkt., 40c; ¼ oz., \$1.00.

**Sensation Mixture.**

Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.75.

**PHLOX Drummondii.** Annual. Very attractive for bedding and cutting. Comes very true. Sown direct outdoors in May or June flowers in August and September.

**GRANDIFLORA.** Tall. 12 to 15 inches.

**Alba.** Pure white.

Tr. pkt., 25c; ¼ oz., 30c; oz., \$1.00.

**Carneo.** Flesh-pink.

Tr. pkt., 25c; ¼ oz., 30c; oz., \$1.00.

**\*Chamois Rose.** With carmine eye. Nice pastel color.

Tr. pkt., 25c; ¼ oz., 30c; oz., \$1.00.

**\*Cinnabar.** Rich cinnamon-scarlet

Tr. pkt., 25c; ¼ oz., 30c; oz., \$1.00.

**\*Leopaldi.** Deep rose with white eye

Tr. pkt., 25c; ¼ oz., 30c; oz., \$1.00.

**\*Rosea.** Medium deep pink shading deeper in center. Very good.

Tr. pkt., 25c; ¼ oz., 30c; oz., \$1.00.

**Violet.** With white eye.

Tr. pkt., 25c; ¼ oz., 30c; 1 oz., \$1.00.

**\*Gigantea Art Shades.** An extra large-flowered mixture of soft pastel shades with white eyes. 12 inches.

Tr. pkt., 40c; ¼ oz., \$1.00; oz., \$3.00.

**\*Cuspidata Mixture.** Star of Quedlinburg. A bright mixture of colors, mostly pink and red shades marked white and coming quite true to a star-shaped flower. Quite attractive.

Tr. pkt., 20c; ¼ oz., 30c; oz., \$1.00.

**Special Mixture** of all colors in this tall class.

Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

MISCELLANEOUS ANNUALS—Continued

**PHLOX DRUMMONDI—Continued.**

- ®**NANA COMPACTA.** Dwarf type ideally suited to bedding. 6 to 8 in.  
 \***Mirabilis.** Salmon-pink with white eye. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
 \***Chamois.** Pleasing soft pink, with carmine eye. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
 \***Fireboll.** Fiery scarlet. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
**Apricot.** A light creamy apricot. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
**Isabelina.** Deep creamy yellow. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
**Sky Blue.** With deep eye. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
**Snowball.** Good pure white. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.  
 \***Cecily Mixture.** A very excellent bright mixture of all the above colors. Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.25.

**POPPY.**

- ®**ICELAND** (P. Nudicaule). This type lends itself very well to greenhouse forcing from a January sowing. They also do well outdoors.

\***The Emperor.** A distinct improvement over El Monte in flower size and long, stiff stems. A brilliant orange. Excellent cut flower variety. Tr. pkts. only, 40c.

**El Monte.**

Tr. pkt., 25c; ¼ oz., 65c; oz., \$2.00.

**Gortref Strain.** A large-flowered mixture of pastel shades.

Tr. pkt., 25c; ⅛ oz., 45c; ¼ oz., 85c.

\***Fakenham Hybrids.** Extra large-flowered and long-stemmed.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

\***Sandford's Giants.** We find this the finest hybrid strain we have for indoor forcing.

Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.40.

**SHIRLEY** (P. Rhoas).

\***American Legion.** Single, orange scarlet.

Tr. pkt., 15c; 1 oz., 40c.

**Double Begonia-flowered Pink Shades.**

Tr. pkt., 15c; 1 oz., 50c.

**Double Begonia-flowered Salmon.**

Tr. pkt., 15c; 1 oz., 50c.

**Double Begonia-flowered Sweet Briar.** Deep rose-pink.

Tr. pkt., 15c; 1 oz., 65c.

**CARNATION-FLOWERED.** Double. 3 ft.

**Fairy Blush Hybrids.** Mixture of light pink shades.

Tr. pkt., 10c; 1 oz., 20c.

**PEONY-FLOWERED.** Double. 3 feet.

**Shrimp-pink.**

Tr. pkt., 10c; 1 oz., 30c.

**Mixture of All Colors** in this class.

Tr. pkt., 10c; 1 oz., 20c.

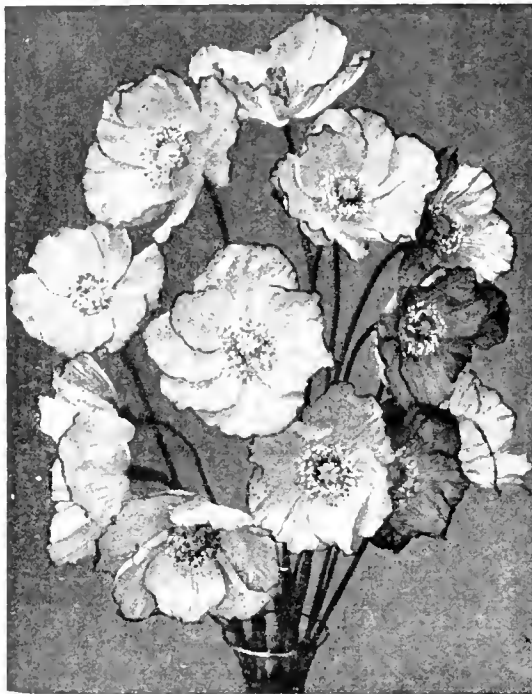
®**PORTULACA.** A very excellent plant for dwarf bedding or border work. Very easily grown. Should be sown direct as early as possible.

\***Double Mixture.** Very bright, free-flowered mixture. 4 inches.

Tr. pkt., 25c; ¼ oz., 60c; oz., \$2.00.

**Single Mixture.** 6 inches.

Tr. pkt., 15c; 1 oz., 50c.



Iceland Poppies are easily grown for spring cutting, by sowing in January or February.

**RHODANTHE.** Everlasting. Semi-double flowers. 12 inches.

**Maculato Rose.** Dark centered.

Tr. Pkt., 15c; 1 oz., 50c.

**Atrosanguinea.** Deep carmine. Good bright color.

Tr. pkt., 25c; ¼ oz., 65c; oz., \$2.25.

**RICINUS.** Castor Beon.

**Borboniensis Arboreus.** 10 feet.

1 oz., 15c; 4 ozs., 50c; 1 lb., \$1.50.

**Zanziboriensis.** Carmine. 12 feet.

1 oz., 20c; 4 ozs., 60c; 1 lb., \$2.25.

**RUDBECKIA, \*My Joy.** (New). Extra large-flowered, brilliant orange-yellow with dark center.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.50.

**SAINTPAULIA.** African Violet. A very attractive pot plant. Special care is required to germinate this seed.

**Cordata.** Lavender-violet.

Tr. pkt., \$1.00.

**Ionantha.** Deep blue. Tr. pkt., \$1.00.

**SALPIGLOSSIS, Emperor.** Besides being an attractive garden subject, Salpiglossis will furnish the retail florist with attractive cutting material either from a February sowing in the greenhouse or outdoors during the summer.

**Brown and Gold, Rose and Gold, Scarlet and Gold, Violet and Gold, White and Gold, Yellow and Gold.**

Each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 85c.

**Emperor Mixed.** A choice, large-flowered mixture of above colors.

Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 85c.

**SALVIA.** The following list is made up of the finest, most even strains we have been able to find in America or Europe. Our extensive trials convince us that there are no better strains to be had. Germination requires bottom heat.

**SPLENDENS.**

\***America.** (Globe of Fire. Extra Select). Our strain of this standard variety grows about 20 inches tall and is very uniform in height.

Tr. pkt., 35c; ¼ oz., 65c; oz., \$2.25; 4 ozs., \$7.00.

**SALVIA—Continued.**

\***Firebrand.** Our most dwarf and early flowering strain. See novelty list on page 3 for complete description.

Tr. pkt., 50c; ¼ oz., 85c; oz., \$3.00; 4 ozs., \$9.00.

**Horbinger.** Very similar to Firebrand, except not quite so dwarf.

Tr. pkt., 40c; ¼ oz., 75c; oz., \$2.60.

**Bonfire.** Medium dwarf, very uniform. Tr. pkt., 40c; ¼ oz., 60c; oz., \$2.00; 4 ozs., \$6.00.

**Splendens Toll.** 30 inches. Not early flowering.

Tr. pkt., 25c; ½ oz., 75c; oz., \$1.50; 4 ozs., \$4.25.

**Rocket.** Extra early flowering, very dwarf strain.

Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50.

**Maroon Prince.** Rich velvety maroon. Rather heavy color. 24 inches.

Tr. pkt., 35c; ¼ oz., 85c; oz., \$3.25.

**FARINACEA.**

\***Blue Bedder.** Blue Salvia. 30 inches, with long stems suitable for cutting. Flowers July 15 from an early spring sowing.

Tr. pkt., 25c; ¼ oz., 65c; oz., \$2.25.

**Pale Blue.** Slightly lighter color than above and not quite so compact. 36 in.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

**HORMINUM.**

**Oxford Blue.** Top leaves of each branch turn a deep rich Oxford-blue. Very pure color.

Tr. pkt., 25c.

**SANVITALIA Procumbens.** Double Creeping Zinnia. Very small-flowered yellow. Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.50.

**SAPONARIA Vaccaria.** 18 inches. Gypsophila-like flowers.

**White. Rose.**

Each: 1 oz., 15c.

**SCABIOSA.** No retail grower should be without a liberal planting of annual Scabiosas. Long-stemmed, pleasing colors, and free flowering make them valuable for cutting. Do very well for spring flowering in a cool greenhouse. For a complete variety of attractive colors we recommend our mixture.

\***Ageratum Blue.** Good rich azure-blue. Large-flowered and one of the best. Tr. pkt., 15c; 1 oz., 50c.

**Azure Fairy.** Standard azure-blue.

Tr. pkt., 15c; 1 oz., 50c.

\***Loveliness.** Extra large-flowered and a very good deep salmon-pink. Excellent color.

Tr. pkt., 15c; 1 oz., 60c.

\***Cherry-Red.** A bright color.

Tr. pkt., 15c; 1 oz., 50c.

**Shasta.** White.

Tr. pkt., 15c; 1 oz., 50c.

**King of the Blacks.** Deep rich maroon. Tr. pkt., 15c; 1 oz., 50c.

\***Giant Hybrid Mixture.** A special strain containing only the new large-flowered varieties. Well balanced color mixture. Tr. pkt., 15c; 1 oz., 60c.

**Tom Thumb.** 10 in. compact, dwarf plants for bedding or edging mixture. Tr. pkt., 15c; 1 oz., 50c.

MISCELLANEOUS ANNUALS—Continued

**SCHIZANTHUS.** Increasing interest is being taken in this showy annual in recent years. The following list contains excellent cut flower strains; also one of very dwarf, compact growth, excellent for pot plants.

\***Ball Dwarf Mixed.** A strain developed by us strictly for pot plant work. Seed sown in December or January and plants pinched once make ideal medium-sized plants late in the spring. Tr. pkt., 50c; 1/8 oz., \$1.00.

\***Ball Brilliant Blend.** A mixture we make up ourselves from named varieties of cut flower value. Should be planted in a shallow raised bed or 3- or 4-in. flat for best results. 24 in. Tr. pkt., 35c; 1/8 oz., 75c.

\***Bridal Veil.** Medium dwarf habit. Pure white. Tr. pkt., 35c; 1/8 oz., 75c.

**Brilliance.** Rich amaranth-red. 18 inches. Tr. pkt., 35c; 1/4 oz., \$1.00.

\***Compactus, Reddish Shades.** Of a medium dwarf habit with rich shades of deep rose and red predominating. Tr. pkt., 50c; 1/4 oz., \$1.00.

\***Giant Blotched Strain.** A new English strain. Extra large-flowered and very fine. See novelty list on page 3. Tr. pkt., 50c; 1/16 oz., \$1.00.

**Dr. Badger's Hybrids.** A famous hybrid mixture. Large-flowered and fine. Tr. pkt., 40c; 1/4 oz., \$1.00.

**Rose and Amber Shades.** Of the medium-tall cut flower type. Good bright colors. Tr. pkt., 40c; 1/4 oz., \$1.00.

**Pink Shades.** Same as above except in color. Tr. pkt., 40c; 1/4 oz., \$1.00.

**Purple Shades.** A mixture of rich purple and deep lavender shades. Tr. pkt., 40c; 1/4 oz., \$1.00.

**SHAMROCK.** Sow January 1st in carnation-house temperature for 2-inch St. Patrick's Day plants. Use 4 or 5 seedlings in a pot. Tr. pkt., 15c; 1 oz., 50c.

**SMILAX.** Well known greenhouse climber. Tr. pkt., 20c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.00.

**SOLANUM.** We have developed our own special stock of this valuable pot plant item, raising the seed ourselves, assuring you of good even strains—as good as any available. We are successful in raising good plants by growing them in the field during the summer, potting them before frost.

\***Christmas Cherry.** Ball's Strain. A compact growing strain that fruits very freely. Tr. pkt., 25c; 1 oz., \$1.00.

\***Christmas Pepper.** A compact strain with brilliant purple and red berries. Tr. pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

\***Bird's Eye Pepper.** Not quite so compact as the above two. Produces many very small, red berries. Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.50.



Evolution of Schizanthus  
Left—the original Pinnotus type, obsolete for most purposes.  
Center—Wisetonensis type, such as is supplied in any good mixture or blend. Fine for large pot plants or cutting.  
Right—the new dwarf type. Ideal for 4- or 5-inch pot plants.  
Seed all three sown October 9, and all three received one pinch when at a height of 4 to 6 inches. Grown in a 45° house and came in just right for the spring shows, around April 1.

STATICE.

**Bonduelli.** Similar to Sinuata. Yellow. Tr. pkt., 15c; 1 oz., 25c; 1 lb., \$2.25.

**Sinensis.** 18 inches. Pure white with canary-yellow. Quite attractive. Tr. pkt., 25c; 1 oz., 75c; 4 ozs., \$2.50.

\***Suworowii.** Russian or Rat-tail Statice. Excellent for spring cutting from either large pots or beds or can be sown in January for a late spring crop. Tr. pkt., 20c; 1 oz., 70c; 4 ozs., \$2.00.



Rat-tail Statice Suworowii in 6-inch pots. Fine for cutting, too. A January sowing will usually flower late in May.

STATICE—Continued.

**SINUATA.** Largely used outdoors but can be forced indoors. We have found a location for the growing of this seed that matures it better and gives more satisfactory germination than we have had in the past.

\***Atrococerulea.** (New). Clear Delphinium blue. Very distinct new color.

Tr. pkt., 25c; 1 oz., 50c.

**Kampff's Tail Improved.** Extra long-stemmed, deep blue. The best blue cutting variety.

Tr. pkt., 20c; 1 oz., 45c; 1 lb., \$4.00.

**True Blue.** The standard blue. Tr. pkt., 15c; 1 oz., 30c; 1 lb., \$2.75.

**Rosea Superba.**

Tr. pkt., 15c; 1 oz., 30c; 1 lb., \$3.00.

**White.**

Tr. pkt., 15c; 1 oz., 25c; 1 lb., \$1.90.

\***New Hybrid Mixture.** A mixture of the above colors as well as new shades that add a bright variation to the mixture.

Tr. pkt., 25c; 1 oz., 50c; 1 lb., \$5.00.

THUNBERGIA.

**Alata.** Black-Eyed Susan.

Tr. pkt., 15c; 1 oz., 65c; 4 ozs., \$1.75.

\***Gibsonii.** Large-flowered, rich orange strain. Very attractive but not as free flowering or early as Alata. 25 seeds, 75c; 50 seeds, \$1.50; 100 seeds, \$3.00.

**TITHONIA Speciosa.** Golden Flower of the Incas. Should have value for greenhouse forcing from a sowing made in January. Ours is the early flowering strain. (See cut page 34). Tr. pkt., 25c; 1/4 oz., 75c.

®TORENIA.

**Fournieri.** Very rich combination of deep blue with darker blotches on lip. Standard spring pot plant item.

Tr. pkt., 25c; 1/4 oz., 65c; oz., \$2.25.

**Fournieri Compacta.** Extra dwarf form. excellent for either bedding or pots.

Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 85c.

**TRACHELIUM Coeruleum.** Flowers resemble in shape and color Statice Latifolia. A deep blue. 12 in. high. Makes a very good pot plant. Must be started early. Tr. pkt., 35c.

®**URSINIA Anethoides** Brilliant orange with purple center. 10 inches. Makes nice garden subject, flowering 3 1/2 months from seed.

Tr. pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

**VENIDIUM.** Does very well forced in the greenhouse from a fall sowing or outdoors where some protection from the direct sun is afforded.

**Fastuosum.** Brilliant orange with dark center.

Tr. pkt., 25c; 1/4 oz., 75c; oz., \$2.25.

**Ball Hybrids.** A very interesting and varied array of colors ranging from silvery white through oranges and salmons.

Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

## VERBENA

Because of their hardiness, free flowering, and brilliant array of colors, Verbenas make a very excellent garden subject. The following varieties except where noted come very true from seed.

**GRANDIFLORA GIGANTEA.** Upright growth. 18 inches high.

\***Beauty of Oxford Hybrids.** Very good fairly even strain of somewhat irregular germination. Extra deep shades of pink with eye. Medium dwarf.

Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.25.

\***Lavender Glary.** Varies some light to dark with a few white rogues, all are of the true large-flowered type.

Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.25.

\***Blue.** A deep lilac shade. Very nice.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.35.

\***Carmine-Pink.** Medium deep carmine.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.50.

\***Crimson Glow.** (New). Extra deep glowing crimson. Deepest color in red Verbenas.

Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.

**Coccinea.** Fairly deep scarlet.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

\***Dannebrog.** Intense deep scarlet with prominent white eye. Large-flowered, fairly compact growth. 8 to 10 inches.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

**Etna.** A bright deep scarlet.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

**Lucifer.** Extra bright scarlet, fairly light.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

\***Luminosa.** Deep pink, white eye.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

**Mayflower.** Light pink.

Tr. pkt., 25c; ¼ oz., 35c; oz., \$1.25.

\***Pure White.** Good, free flowering strain.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

**Rosea Stellata.** Deep rose, white eye.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

\***Salmon-Pink.** (New). A distinct medium deep salmon shade. Very pleasing.

Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.00.

**Mixture of above colors.**

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

**COMPACTA.** A very neat and compact class, particularly adapted for bedding and border work.

\***Carmine Ball.** Bright carmine. 4 to 6 inches.

Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.15.

**Chamois.** A buff-chamois shade. 4 to 6 inches.

Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.15.

**Dark Blue.**

Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.15.

\***Fireball.** Bright scarlet. Very dwarf and nice. 6 inches.

Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.15.

**White.** 6 inches.

Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.15.

**Mixture of all colors in this class.**

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

## MISCELLANEOUS ANNUALS—Continued



*Tithonia Speciosa* has possibility as a spring forcing crop indoors.

## VERBENA—Continued.

### VARIOUS TYPES.

\***Venosa.** An upright deep lilac form. Very attractive and free flowering. See novelty list on page 3. 18 inches.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

**Venosa Lilacina.** Delicate lilac color, otherwise same as above.

Tr. pkt., 25c; ¼ oz., 75c; oz., \$2.25.

**Erinoides.** Moss Verbena. Our trial of this the past season made a row planted 6 inches apart, about 10 inches high by 40 inches wide. A very spreading habit. Color a nice lavender shade, small-flowered.

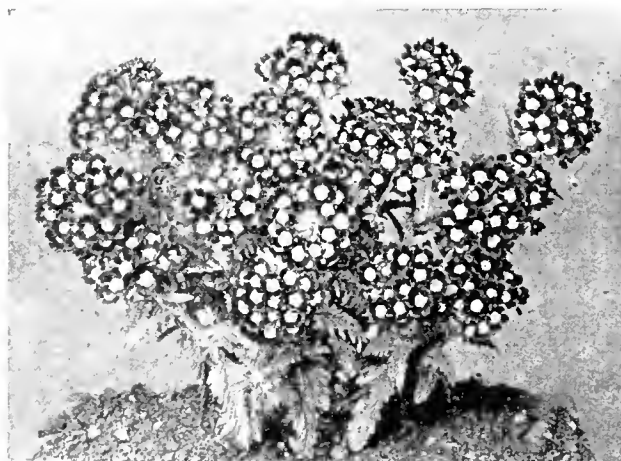
Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

\***Violet Bouquet.** A deep violet with white eye. Erect habit. 6 inches.

Tr. pkt., 25c; ¼ oz., 65c; oz., \$2.15.

\***Royal Bouquet.** Shades of lilac and blue with a few reds and whites. 12 to 14 inches.

Tr. pkt., 25c; ¼ oz., 65c; oz., \$2.25.



*Verbena Dannebrog.* Dark scarlet with white center of this new, compact variety makes it quite effective.

**VINCA Rasea.** (Periwinkle). Our planting of Vinca this summer in our outdoor trials made an exceptionally fine showing throughout the extremely hot, dry weather that literally burned ather stock up. Seems to enjoy hot, dry conditions. Requires an early start in a warm house. 12 inches

**Pink. Delicata.** Soft pink.

**Alba Oculata.** White with rose eye.

**Alba Pura.** Pure white.

**Mixture of Above Colors.**

Each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**VIOLA Carnuta.** Miniature Pansy. As easily grown as Pansies and earlier and more free flowering. Very choice for bedding and comes very true.

\***Apricat.** Large-flowered true apricot. Very good variety.

Tr. pkt., 35c; ⅛ oz., 65c; ¼ oz., \$1.25; 1 oz., \$4.25.

\***Arkwright Ruby.** New crimson-scarlet, dark center. Original highly attractive Viola.

Tr. pkt., 35c; ⅛ oz., \$1.25.

**Black Prince.** Extra deep violet-blue.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

**G. Wermig.** Rich violet-blue between Jersey Gem and Mauve Queen in color.

Tr. pkt., 50c; ⅛ oz., 85c; ¼ oz., \$1.60; 1 oz., \$6.00.

\***Puck.** Purple standard with yellow wings and dark pencillings. Dwarf, compact growth and small flowered. Very attractive.

Tr. pkt., 25c; ¼ oz., 60c; oz., \$2.25.

\***Jersey Gem.** Deep Cattleya. Varies some.

Tr. pkt., 50c; 1/16 oz., 90c; ¼ oz., \$3.25.

**Mauve Queen.** Light Cattleya. Very true.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

\***Papilio.** Blue and white. Extra dwarf and free flowering. Small-flowered.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.60.

\***Violet Gem.** (New). Clear deep violet. Though some larger than violets, we find this variety largely sold in Europe as such. Very attractive rich color.

Tr. pkt., 50c.

**White Perfection.** Small-flowered with yellow center.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

**W. H. Woodgate.** Bright violet. One of the finest blue Violas.

Tr. pkt., 50c; 1/16 oz., \$1.25; ⅛ oz., \$2.00.

\***Lutea Splendens.** Golden yellow. Good.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

**Large-Flowering Mixture.**

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.50.

**WALLFLOWER, Annual.** In our latitude should be sown in October or November for spring flowering. Very choice if handled properly.

\***Gold Standard.** Deep golden yellow. The standard commercial variety.

Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

**Golden Yellow Flaked Brown.**

Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

# MISCELLANEOUS PERENNIALS

® indicates plants suitable for rock gardens.



*Aquilegia Longissima*

Quite a striking novelty. Perfectly hardy and nice for cutting. Aquilegias deserve more attention by retail growers.

## ACHILLEA Ptarmica.

**The Pearl.** 30 in. Double white. Excellent for cutting.

Tr. pkt., 30c; ¼ oz., 65c; oz., \$2.25.

® **Tomentosa Aurea.** 6 to 8 in. Finely cut foliage. Golden yellow flowers in umbels.

Tr. pkt., 50c; ½ oz., \$1.25.

® **ACONITUM Fischeri.** Monkshood. Deep blue, seeds must be sown outdoors and frozen over winter for good germination.

Tr. pkt., 25c; ¼ oz., 60c; oz., \$2.00.

\* **AETHIONEMA Grandiflorum.** Persian Candytuft. Free flowering light rosy lilac Candytuft. Likes light, sandy soil and a sunny location. Keeps well when cut. 8 to 10 inches.

Tr. pkt., 50c.

® **AGATHAEA Coelestis.** Felicia or Blue Daisy. Seed must be frozen over winter for proper germination.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

## ® ALYSSUM.

**Saxatile Compactum.** Golden yellow. 12 in. Excellent for rock gardens.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

\* **Moellendorffianum.** Extra dwarf yellow. 3 to 4 inches. Very nice.

Tr. pkt., 50c; 1/16 oz., \$1.00.

## ANCHUSA.

® **Myosotidiflora.** Forget-me-not-blue. 15 inches.

Tr. pkt., 50c; ½ oz., \$1.35.

**Italica. Dropmore strain.** Blue. 6 ft.

Tr. pkt., 15c; 1 oz., 50c.

\* **Italica Grandiflora, Picotee.** Same as above but blue and white striped petals. Very attractive combination.

Tr. pkt., 35c; ¼ oz., 80c.

® **AQUILEGIA.** Columbine. Valuable for outdoor cutting and spring forcing.

\* **Longissima.** (New). Extra long-spurred 4 inches, in shades of yellow. A very outstanding new Aquilegia.

Tr. pkt., 50c.

\* **Glandulosa Vera.** Fairly dwarf. Extra large spurless flowers of bright, fairly deep blue color with white center.

Tr. pkt., 75c.

**Jaetschoui.** Large-flowered yellow with red spurs.

Tr. pkt., 25c; ¼ oz., 60c; oz., \$2.00.

**Chrysantha, Silver Queen.** Long-spurred white.

Tr. pkt., 25c; ¼ oz., 60c; oz., \$2.00.

COERULEA. Long-spurred, large-flowered type.

**Blue.** Rocky Mountain Columbine. Sky-blue with white outer petals.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

\* **Candidissima, Snow Queen.** Fairly dwarf, large-flowered, pure white.

Tr. pkt., 50c; ¼ oz., \$1.00.

\* **Crimson Star.** (New). Deep blood-red with white outer petals. Very attractive.

Tr. pkt., 50c.

\* **Mrs. Scott Elliott's Hybrids.** A new popular and fine long-spurred mixture.

Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.00.

**Mixture of All Colors.**

Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.50.

® **ARABIS Alpina.** Rock Cress. White; dwarf.

Tr. pkt., 15c; 1 oz., 50c.

® **ASCLEPIAS Tuberosa.** 2 ft. Orange, fine for cutting. Needs free drainage.

Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.00.

\* **ASPARAGUS Verticillatus.** A very valuable completely hardy climbing Asparagus. Light, finely textured foliage. Seed germinates in three weeks in a warm house. Rather slow growing at first. Valuable as an inexpensive all summer source of green material. Probably benefited by partial shade. Every retail grower should have a planting coming on.

Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00.

## ASTER.

® **Dark Beauty.** Alpinus. Single deep blue. 12 inches. June-flowering.

Tr. pkts. only, 50c.

**Wartburg Star.** Subcoeruleus. Lighter than Dark Beauty and considerably longer stemmed and larger flowered. June flowering. Makes very excellent cutting material for table decorations and low vases.

Tr. pkts. only, 50c.

**Novi-belgii.** New Hybrids. Fall-flowering. 4 feet.

Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.00.

® **BELLIS Perennis.** Double English Daisy. 6 inches. The choicest are the Monstroso varieties as follows:

**Rose, White, Red.**

Each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

**Mixture.**

Tr. pkt., 25c; ¼ oz., 60c; oz., \$2.00.

## CAMPANULA.

MEDIUM CALYCANTHEMA. Double or Cup-and-Saucer varieties. 3 feet. Biennial.

**Dark Blue, Light Blue, Rose, White.**

Each: Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.40.

**Mixture.**

Tr. pkt., 20c; ¼ oz., 30c; oz., \$1.00.

MEDIUM SINGLE. Single or Canterbury Bells. 3 feet. Biennial.

**Blue, Lilac, Rose, White.**

Each: Tr. pkt., 15c; 1 oz., 50c.

**Mixture.**

Tr. pkt., 15c; 1 oz., 40c.

® **CARPATICA.** Perennial. Dwarf and very nice for rock gardens. 12 inches.

**Blue, White, Mixture.**

Each: Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

## ® CANDYTUFT.

**Sempervirens.** White. 12 in. Flowers second season, in May.

Tr. pkt., 35c; ¼ oz., 50c; oz., \$1.50.

**Gibraltarica.** Large-flowered lilac shading to white. Free flowering.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

PERSIAN CANDYTUFT. See Aethionema Grandiflorum.

® **CATANANCHE Coerulea.** Everlasting. 30 inches. Light lavender-blue flowers resembling Centaurea Cyanus. Good for cutting either indoors or outdoors. Very free flowering the first season from seed.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

® **CENTAUREA Mantana.** Cornflower-blue. 24 inches. Large-flowered.

Tr. pkt., 20c; 1 oz., 60c.

## ® CERASTIUM.

**Tomentosum.** Snow-in-Summer. Silvery white foliage. Completely hardy with us. Flowers in May and June. 10 to 12 inches.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

\* **Columnae.** 4 in. Extra dwarf, compact and free flowering variety. Excellent for borders and rock garden work.

Tr. pkt., 35c; ¼ oz., 75c.

® **CHEIRANTHUS Allionii.** Free-flowering deep orange Wallflower. 18 inches

Tr. pkt., 15c; 1 oz., 30c.

® **CHRYSANTHEMUM Japonicum.** (Hardy Chrysanthemum). Double and semi-double hybrid strain. An early sowing flowers in October. Very hardy.

Tr. pkt., 50c; ½ oz., \$1.00.

## MISCELLANEOUS PERENNIALS—Continued

**COREOPSIS Grandiflora.** Very good cut flower material.

\***Sunburst.** Double yellow. Greatly improves in size and doubleness the old semi-double strain.  
Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

**Mayfield Giant.** Extra large-flowered, deep golden yellow.

Tr. pkt., 15c; ¼ oz., 30c; oz., 75c.

**Lanceolata.** Single.

Tr. pkt., 15c; 1 oz., 30c.

**DAISY.** The following are all excellent for outdoor growing and indoor forcing and cover the flowering season from May to July. Listed in flowering order.

**Elder.** Comes quite true.

Tr. pkt., 20c; ½ oz., 40c; 1 oz., 75c.

\***June Marguerite.** Free flowering.

Tr. pkt., 20c; 1 oz., 75c.

\***Spring Marguerite.** Follows the above closely.

Tr. pkt., 15c; 1 oz., 50c.

**Mayfield Giant.** Extra large-flowered.  
Tr. pkt., 25c; ½ oz., 50c; oz., 90c.

**Alaska.** Well known Shasta Daisy.

Tr. pkt., 25c; ½ oz., 50c; oz., 90c.

**Double Fringed.** Comes 50% to 60% true.

Tr. pkt., 50c.

**Conqueror.** Giant late white.

Tr. pkt., 20c; ½ oz., 50c; oz., 90c.

### DELPHINIUM Elatum

\***Lamartine.** Deep bright marine-blue. Very excellent market variety for either forcing or field conditions. Smooth leaves that resist the attack of mildew. Should be more generally known and used.  
Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.50.

\***Belladonna Improved.** (Cliveden Beauty). The standard light blue cut flower strain. Spring sown seed produces very good clumps for forcing.  
Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 1 lb., \$25.00.

**Belladonna.** The regular or original strain.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.65.

**Bellamosum.** Same as Belladonna Improved except a deep marine-blue.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

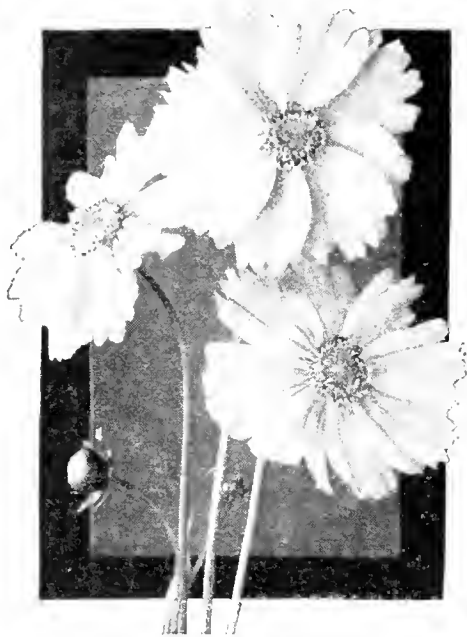
**Iceberg.** The best white Delphinium. 48 inches.

Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.50.

**Gold Medal Hybrids.** A standard strain.  
Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

**Wrexham or Hollyhock Strain.** Fine hybrid strain with long tapering spikes.  
Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

\***Blackmore and Langdon Hybrid Strain.** For size and length of spikes and a varied color range, we consider this the best Hybrid Delphinium strain.  
Tr. pkt., 50c; ¼ oz., 90c; oz., \$3.25.



Coreopsis, Mayfield Giant  
This makes an attractive long-stemmed summer cut flower. Though a perennial, it usually does not survive beyond two years.



Delphinium, Hollyhock or Wrexham Strain  
Such flower spikes are only possible where summers are comfortable. However, with some attention, very fine flowers are grown throughout the Middle West.

### DIANTHUS.

®**Allwoodii Alpinus Mixed.** Flowers first season. 8 to 10 inches. Mixture of light and dark pink shades with a few white.

Tr. pkt., 40c; ⅛ oz., \$1.25.

**BARBATUS.** Sweet William. 24 inches.

\***Newport Pink.** (Pink Beauty). Single. Our stock is a particularly deep rich salmon-rose. A very attractive shade.  
Tr. pkt., 15c; 1 oz., 50c.

\***Halbarn Glary.** A deep crimson with strongly contrasting white edge.

Tr. pkt., 15c; 1 oz., 50c.

**Purple Beauty.** Single. Bright deep purple.

Tr. pkt., 20c; ¼ oz., 50c; oz., \$1.50.

**Scarlet Beauty.** Single. Very bright color.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**White.** Single.

Tr. pkt., 15c; 1 oz., 50c.

**Mixture of Above Single Varieties.**

Tr. pkt., 15c; 1 oz., 50c.

**Double Mixture.**

Tr. pkt., 15c; 1 oz., 60c.

### ®DELTOIDES.

**Rose.** Maiden Pinks. For rock gardens.  
Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

**Brilliant.** Rich rose-pink.

Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

**DICTAMNUS Fraxinella.** Gas Plant. Pink with dark veins. Good border plant. Seeds should be sown outdoors in the fall for spring germination.

Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.35.

**DIELYTRA Spectabilis.** Bleeding Heart. 32 in. Seedlings flower second year. Seeds require exposure to a winter's freezing for proper germination.  
Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.50.

### DIGITALIS.

#### GLOXINOIDES.

**Purple, Rose, White.**

Each: Tr. pkt., 20c; 1 oz., 50c.

**Mixed.** Tr. pkt., 15c; 1 oz., 40c.

#### GIANT SHIRLEY.

**Mixed.** A splendid large-flowered strain.

Tr. pkt., 15c; 1 oz., 50c.

#### DORONICUM.

**Caucasicum.** Single, yellow, daisy-like flowers. 24 inches.

Tr. pkt., \$1.00; 1/16 oz., \$2.25.

**PARDALIANCHES.** "Bunch of Gold." (New). See novelty list, page 2.

Tr. pkt., 75c.

**GAILLARDIA Grandiflora.** Excellent outdoor cut flower material.

**Maxima Aurea.** Deep golden yellow. Very good.

Tr. pkt., 25c; 1 oz., \$1.00.

**Burgundy.** Deep rich wine-red shade.  
Tr. pkt., 25c; ¼ oz., 65c; oz., \$2.25.

**The King.** Extra large-flowered strain.  
Tr. pkt., 35c; ¼ oz., 65c; oz., \$2.25.

MISCELLANEOUS PERENNIALS—Continued

GAILLARDIA—Continued.



There are possibilities in perennial Gaillardia that are worth working out. Particularly choice colors should be propagated thru divisions.

\***Dazzler.** Standard golden yellow with red center.  
Tr. pkt., 25c; 1/4 oz., 40c; oz., \$1.35.

**Portola Hybrids.** Varying shades of deep red petals tipped yellow.  
Tr. pkt., 25c; 1/4 oz. 50c; oz., \$1.50.

**Manarch Strain.** (New). Described by the originator, Hurst & Son, of England, as a strain in mixture containing plants equal in coloring and substance to the better named varieties. Yellow ground color, varying colored zones.  
Tr. pkt., 35c.

**Oculata New Hybrids.** An attractive original mixture of pastel shades, all with red centers. Some new shades in Gaillardia.  
Tr. pkt., 35c; 1/4 oz., 65c; oz., \$2.25.

®GEUM.

**Lady Stratheden.** Double golden yellow.  
Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.65.

**Mrs. Bradshaw.** Double glowing red. 2 feet. Good for cutting.  
Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.65.

GYPSOPHILA.

\***Pacifica.** Small, bright pink flowers. Excellent.  
Tr. pkt., 35c; 1/4 oz., 90c.

\***Oldhamiana.** A light rose-pink. October-flowering Gypsophila. 24 inches tall with dense flower heads. Flowers first season from an early sowing.  
Tr. pkts. only, 50c.  
Bath above varieties we find perfectly hardy.

PANICULATA.

**Double Snow White.** 40 inches. 35% double.  
Tr. pkt., 50c; 1/4 oz., 90c; oz., \$3.25.  
**Single White.**  
Tr. pkt., 15c; 1 oz., 40c.

GYPSOPHILA—Continued.

®**REPENS.** 6 inches. Excellent for rock gardens.

**White.**

Tr. pkt., 25c; 1/4 oz., 40c; oz., \$1.25.

**Rose.**

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

®**HELIANTHEMUM Mutabile.** Rock Rose. Dwarf evergreen. 8 to 10 inches.  
Tr. pkt., 20c; 1 oz., 75c.

®**HEUCHERA Sanguinea.** Crimson. A very attractive novelty cut flower item.  
Tr. pkt., 50c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$4.50.

HOLLYHOCK.

**Imperator.** Choice double mixed. Excellent mixture of large, fringed types.  
Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.60.

CHATER'S DOUBLE.

**Chamois, Deep Rose, Newport Pink, Scarlet, Sulphur Yellow, White.**  
Each: Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

**Mixed.**

Tr. pkt., 20c; 1/4 oz., 35c; oz., \$1.00.

ALLEGHENY TYPES. Single. Mixed.

Tr. pkt., 15c; 1 oz., 50c.

LATHYRUS Latifolius. Hardy or Everlasting Sweet Peas.

**Pink Beauty, White Pearl, Mixed.**  
Each: Tr. pkt., 15c; 1 oz., 50c.

®\***LEONTOPODIUM Alpinum.** Edelweiss. A very attractive rock garden and pot plant. For outdoors sow February 1st. Plant out May 1st in a light soil with plenty of exposure to sun. Makes an attractive pot plant from a January sowing.

Tr. pkt., 50c; 1/16 oz., \$1.10.

LIATRIS (Blazing Star).

**Spicata.** Purple-rose. 24 inches. Flowers in August.  
Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.50.

**Pycnostachya.** Purple. Flowers in August. 4 feet.  
Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

LOBELIA Cardinalis. (Fulgens). Cardinal Flower.

36 inches. Deep cardinal-red spike. August.  
Tr. pkt., 35c; 1/4 oz., \$1.20; 1 oz., \$4.25.

**LILIUM.** The fact that a crop of Lilies from seed can be had in full flower in 16 to 17 months from seed sowing is at least partly responsible for the increase in the demand for this seed. Also the fact that successive sowings will give a retail grower a steady crop to cut from the year round and that they are hardy in our latitude if well protected. Flowering time may be controlled by the manipulation of light and heat. Our experiences in growing Lilies from seed are outlined in your "Red Book."

\***White Queen.** According to our experience, the outstanding white Lily from seed. Pure white. Extra large flowers with 4 to 12 flowers per stem. We had a small house of this variety in flower last spring that was certainly outstanding for pure color and evenness. See page 2.

1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/8 oz., \$1.75; 1 oz., \$12.00.

**Philippinense Farmosanum Giant-Flowered.** (New). An improved form of the Philippine Lily in size of flower and purity of color.

Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

**Philippinense Farmosanum Improved.** From an early spring sowing, this strain flowers from the end of summer on. White with slight rose shading under some conditions.

Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 1 lb., \$22.00.

**Regale.** Regal Lily. Pink outside, inside a primrose-yellow.  
Tr. pkt., 20c; 1 oz., 50c.

LUNARIA Biennis. Honesty.

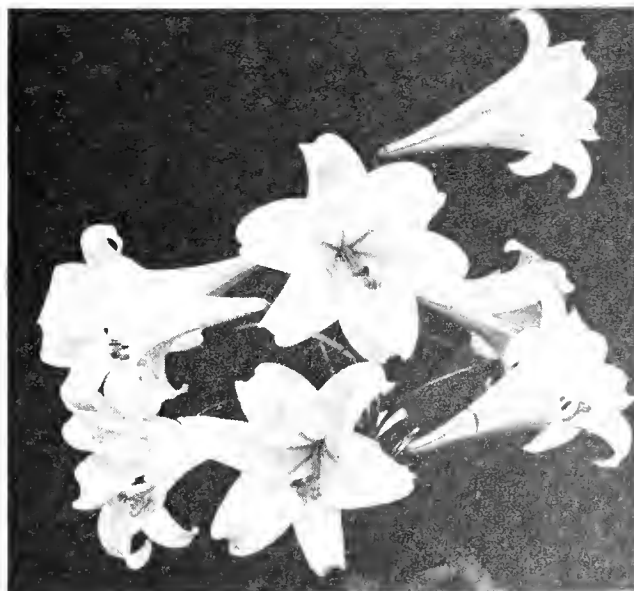
**White.** 40 inches.

Tr. pkt., 20c; 1 oz., 50c.

**Crimson.** 48 inches.

Tr. pkt., 20c; 1 oz., 50c.

**Mixed.** Tr. pkt., 15c; 1 oz., 40c.



New Lily WHITE QUEEN. Picture is of a single plant produced in 17 months from seed sowing. Pure white throughout, larger than most Lilies from bulbs, and when grown from seed, disease is entirely eliminated.

## MISCELLANEOUS PERENNIALS—Continued

### LUPINUS Polyphyllus. Hardy Lupine.

Germination rather irregular.

#### Rose.

Tr. pkt., 15c; 1 oz., 50c.

#### Dark Blue, White.

Each: Tr. pkt., 15c; 1 oz., 30c.

#### Luteus. Yellow.

Tr. pkt., 20c; 1/4 oz., 35c; oz., \$1.00.

#### Chocolote Soldier. Yellow shading to chocolate.

Tr. pkt., 35c; 1/4 oz., 80c; oz., \$3.00.

#### Horkness Regol Mixture. Fine hybrid mixture containing all shades in this type.

Tr. pkt., 20c; 1 oz., 60c.

### LYCHNIS.

#### ®Alpina. Rose. Dwarf. 12 inches. Excellent for rock gardens.

Tr. pkt., 25c; 1/8 oz., 90c.

#### Cholcedonico. Scarlet. 36 inches.

Tr. pkt., 15c; 1 oz., 50c.

### MATRICARIA Copensis. Feverfew.

\***Ball Double White.** A very excellent pure white, fully double, from seed. For complete description see novelty list, page 3.

Tr. pkt. only 35c.

#### Double Golden Boll. Yellow center. 10 inches outdoors.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

### ®MYOSOTIS. Forget-Me-Not.

#### Polustris. True Morsh Forget-me-not. Blue.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

### ALPESTRIS. All in this class are biennials.

#### Pink Bouquet. (Stricta grandiflora). Medium deep pink. 12 inches.

Tr. pkt., 25c; 1/4 oz., 60c; oz., \$1.90.

#### Royal Blue. (Stricta grandiflora). Deep blue. 12 inches.

Tr. pkt., 25c; 1/4 oz., 40c; oz., \$1.25.

#### Blue Basket. Deep blue. 12 inches.

Tr. pkt., 25c; 1/4 oz., 75c.

#### Albo. White. 12 inches.

Tr. pkt., 20c; 1 oz., 60c.

### OBLONGATA. Perennial flowering first season from seed.

#### Blue Bird. Standard deep blue Forget-me-not. 12 inches.

Tr. pkt., 35c; 1/4 oz., 90c; oz., \$3.25.

### ®NEPETA Mussini. Light blue. 12 in.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

### PHYSALIS Francheti. Chinese Lantern Plant. Large, orange berries.

Tr. pkt., 20c; 1 oz., 75c.

### PLATYCODON Grandiflorum. Tufted Harebell. Balloon Flower.

#### White.

Tr. pkt., 25c; 1/4 oz., 45c; oz., \$1.50.

#### Blue.

Tr. pkt., 15c; 1/4 oz., 30c; oz., 75c.

### POPPY Orientale. Oriental Poppy.

The following varieties come fairly true.

#### Brilliant. Vivid fiery red. 40 inches.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.50.

#### Beauty of Livermere. Dark ox-blood-red.

Tr. pkt., 35c; 1/4 oz., 65c; oz., \$2.25.

#### Mixture of all shades in this class.

Tr. pkt., 25c; 1/4 oz., 35c; oz., \$1.25.

### ®PRIMULA.

#### Vulgoris. True yellow English Primrose. 6 inches. Seeds should have a winter's freezing for proper germination.

Tr. pkt., 35c; 1/4 oz., 80c.

#### Bullelesiona Hybrids. 18 inches. Bright mixture of yellow, orange, apricot and carmine shades. Seed of uncertain germination.

Tr. pkt., 50c; 1/8 oz., 90c.

### VERIS.

#### Polyanthus Mixture. 12 inches.

Tr. pkt., 25c; 1/4 oz., 75c; oz., \$2.35.

#### Giant Munstead Strain. Extra large-flowered strain. Mixture of yellow and light shades. 12 inches.

Tr. pkt., 50c; 1/4 oz., \$1.25.

#### Cal'osea. (Pfizer). (New). Described by the originator as an extra large-flowered improvement over regular Veris strains.

Tr. pkts. only, \$1.00.

### PYRETHRUM.

#### ®\*Ptormicoeflorum. Extremely dwarf, finely feathered foliage. Silvery white. Excellent for rock garden or spring pot sales. Sow in February. 5 inches.

Tr. pkt., 50c; 1/16 oz., \$1.50.

#### ®\*Parthenifolium Aureo, Excelsior. Same as above but foliage of a deep yellowish green. 3 inches.

Tr. pkt., 50c; 1/8 oz., \$1.00.

#### Uliginosum. Single white daisy-like flowers. 4 feet.

Tr. pkt., 35c; 1/4 oz., \$1.15; 1 oz., \$4.00.

### ROSEUM. 30 inches. Makes excellent cut flower material.

#### \*Semi-Double Mixture. A very excellent strain that requires the strength of two-year-old clumps to produce fully double flowers.

Tr. pkt., 50c; 1/4 oz., 90c; oz., \$3.25.

#### \*Kelway's Strain. Dark red. Very good.

Tr. pkt., 40c; 1/4 oz., 90c; oz., \$3.00.

#### Single Mixture.

Tr. pkt., 25c; 1/4 oz., 40c; oz., \$1.25.

### SALVIA Potens. Navy blue. 30 inches.

Tr. pkt., 25c; 1/4 oz., 65c; oz., \$2.00.

### SAPONARIA Ocymoides. Rose. Trailing.

12 inches.

Tr. pkt., 20c; 1 oz., 60c.

### SCABIOSA. Excellent perennial cut flowers; much larger than the annual form. Hardy. Germination about 50%.

#### Columbario, Lavender. Delicate lavender.

Tr. pkt., 35c; 1/4 oz., 65c; oz., \$2.25.

#### Columbaria, Pink. Orchid-pink.

Tr. pkt., 35c; 1/4 oz., 65c; oz., \$2.25.

#### Coucasico. Lilac-lavender.

Tr. pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

#### \*House Hybrids. Shades of lavender and blue. Very good strain.

Tr. pkt., 35c; 1/4 oz., 85c; oz., \$3.00.

### ®SEDUM.

#### \*Acre. Golden Moss. 3 inches. A very nice extra dwarf evergreen Sedum. Small light yellow flowers.

Tr. pkt., 25c; 1/8 oz., 90c.

#### \*Aizoon. 4 inches. Attractive dwarf border plant. Bright yellow flowers with richly contrasting brown foliage.

Tr. pkt., 50c; 1/8 oz., \$1.25.

### SEDUM—Continued.

#### Komtschoticum. Very nice yellow flowers. Good rock garden or border variety. 6 to 8 inches.

Tr. pkt., 50c; 1/8 oz., \$1.35.

#### Reflexum "Chameleon." See novelty list, page 3.

Tr. pkts. only, 50c.

### SEMPERVIVUM. House Leek.

#### Perennial Mixture. Tr. pkt., 50c; 1/32 oz., \$1.15.

#### ®\*SPERGULA Pilihero. Nice dwarf, rounded, compact plants. Small, white flowers. Very attractive border and rock garden plant. Also used to plant between stones in walks.

Tr. pkt., 50c; 1/16 oz., \$2.00.

### STATICE. Most of the following varieties are very hardy and furnish very satisfactory cutting material. Some are well suited to drying for winter use.

#### Puberulo. A dwarf form with about same color as Latifolia. Flowers first season.

Tr. pkt., 35c; 1/4 oz., 60c; oz., \$2.00.

#### Cospio. Soft lilac. 30 inches. Flowers second year.

Tr. pkt., 35c; 1/4 oz., 65c; oz., \$2.25.

#### ®Dumoso. Dense clumps of silvery gray flowers. 18 inches. Flowers second year.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

#### Incano. (Tatarica). Small, white flowers. Dries very well. 14 inches.

Tr. pkt., 20c; 1 oz., 75c.

#### Latifolia. The standard blue perennial Statice. 30 inches. Very hardy. Flowers second year.

Tr. pkt., 20c; 1/4 oz., 40c; oz., \$1.25.

#### Perexii. Similar to Latifolia but flowers first season and with us does not winter over.

Tr. pkt., 25c; 1/4 oz., 40c; oz., \$1.50.

### THALICTRUM Dipterocarpum. Very graceful tall plant with attractive fern-like foliage. Good for cutting. 3 to 4 feet. Flowers rosy purple and in clusters. Flowers second year.

Tr. pkt., 25c; 1/4 oz., 45c; oz., \$1.50.

### TRITOMA Mirobilis Hybrids. Yellow shades. Varies considerably.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

### TROLLIUS Ledebauri. Globe Flower. Seed should be exposed to a winter's freezing for proper germination.

#### Golden Queen. Large, orange flowers. 3 to 4 feet. Extra fine, early flowering.

Tr. pkt., 50c; 1/8 oz., \$1.25.

#### Orange. 2 feet.

Tr. pkt., 50c; 1/4 oz., \$1.35.

### ®TUNICA Saxifraga. 10 inches. Small, rosy lilac flowers. Very dwarf.

Tr. pkt., 15c; 1 oz., 60c.

### \*VALERIANA Rubra. 3 feet. Deep crimson flowers. Very good perennial cut flower. Try it.

Tr. pkt., 15c; 1 oz., 60c.

### ®VERONICA.

#### Longifolia. Compact clusters of blue flowers. 30 inches.

Tr. pkt., 25c; 1/4 oz., 35c; oz., \$1.25.

#### Repens. White with light blue. Very dwarf and trailing. Early.

Tr. pkt., 25c; 1/4 oz., 75c; oz., \$2.50.

# VEGETABLE SEEDS FOR FLORISTS

WITH increasing interest in home gardens, florists should take full advantage of the opportunity of supplying vegetable plants that are sure to be called for in increasing quantity—especially Tomato, Pepper, and Cabbage. In our list of varieties you will find those adapted to home garden use as well as varieties suitable for those who grow for market. If you want any item or quantities not listed, write and we will be glad to quote. Our supplies are obtained only from the most reliable growers and are of the same high quality as our "Flower Seeds for Florists."

## NEW EVERBEARING STRAWBERRY, BARON SOLEMACHER

This variety improves in size and length of fruit the variety RUGEN, sent out by us a few years ago. The product of a German Specialist. If sown early February, will produce freely by autumn. Should be watered when dry, and they enjoy some protection from the strong sun.  
**Tr. pkt. (1000 seeds), 50c.**

## BEET

	1 oz.	4 ozs.	1 lb.
<b>Crosby's Egyptian.</b> (Original Strain). 50 days. Fine for home and market gardeners. Globe-shaped. Dark purplish red, crisp and tender . . . . .	\$0.10	\$0.30	\$1.00
<b>Detroit Dark Red.</b> (Improved Strain). 52 days. Excellent all-purpose variety. Uniform globe-shaped. Blood-red, uniform color, tender until full grown . . . . .	.10	.35	1.00

## CABBAGE

<b>All Head Early.</b> Good winter keeper. Deep heads, firm, fine quality. 77 days . . . . .	.20	.65	2.15
<b>Copenhagen Market.</b> Regular early. Medium sized heads; compact. 66 days . . . . .	.25	.75	2.50
<b>Danish Ballhead.</b> Best late variety, heads large, flat, firm and solid, keeps in storage until late spring. . . . .	.30	.85	2.65
<b>Early Dwarf Flat Dutch.</b> Splendid for home and market garden; heads almost ball-shaped, firm and high quality. 71 days . . . . .	.25	.65	2.10
<b>Early Jersey Wakefield.</b> Extra early, valuable for home or market growers. Plants small, allowing close planting; firm heads, 2-2 1/4 lbs. 62 days . . . . .	.25	.70	2.25
<b>Golden Acre.</b> Earliest round head variety for early market and shipping. Short stem. Firm heads. 62 days . . . . .	.35	1.10	3.90
<b>Large Wakefield.</b> Larger, but fully a week later than Early Jersey Wakefield . . . . .	.20	.70	2.25
<b>Late Flat Dutch.</b> The best large late variety. Popular for home and market garden and shipping. Good keeper, firm heads of good quality. 110 days . . . . .	.20	.65	2.10
<b>Mammoth Rock Red.</b> Best red variety. Good keeper, deep purplish red. 90 days . . . . .	.35	.90	3.25
<b>Sovoy Improved American.</b> The best of this class, medium large, firm heads; fine flavor. 85 days . . . .	.30	.80	3.10
<b>Wisconsin All-Season Resistant.</b> Valuable in localities infested with "Cabbage Yellows." Good winter keeper; large heads. 90-95 days . . . . .	.35	.90	2.75

## CARROT

<b>Gonsenheimer, Forcing Special.</b> Fine forcing or home garden variety. Nearly coreless. Half-long. Especially adapted for forcing . . . . .	.25	.85	
<b>Chantenay.</b> Fine all-purpose variety for home and market garden and shipping. Good for winter storage. 70 days . . . . .	.15	.40	1.25
<b>Donvers Half-Long.</b> Very productive and uniform. Good shipper. 75 days . . . . .	.20	.60	1.75

## CAULIFLOWER

<b>Danish Giant, Dry Weather.</b> Most dependable. 65 days . . . . . 1/4 oz., 75c; 1/2 oz., \$1.25 . . . . .	2.10		
<b>Early Snowball.</b> Best early greenhouse-forcing variety. The standard of excellence. 52 days . . . . .		1/4 oz., 60c; 1/2 oz., \$1.00 . . . . .	1.75

## CELERIAC

<b>Large Smooth Progue.</b> Turnip-rooted Celery. Fairly smooth, stalks hollow . . . . .	.25	.80	
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## CELERY

<b>Golden Plume or Florida Golden.</b> A new early, developed from Golden Plume. Valuable for early and late in Florida and for early in the North . . . . . 1/4 oz., 20c; 1/2 oz., 35c . . . . .	.60		
<b>Golden Yellow Self-Blanching Dwarf.</b> Standard market variety . . . . . 1/4 oz., 20c; 1/2 oz., 35c . . . . .	.55		

## CUCUMBER

<b>Stroight 8.</b> (All-America Gold Medal Winner). An outstanding variety, producing symmetrical cylindrical fruits about eight inches long, 1 1/2 inches in diameter, deep green, when ready for use, an ideal shipper . . . . . Pkt., 15c . . . . .	.30	.90	
<b>Chicago Pickling.</b> (Westerfield). Valuable for pickling and slicing. 6-7 inches. uniform. 60 days . . . .	.20	.50	
<b>Davis Perfect.</b> Fine slicing variety. Good shipper. 9-11 inches. Few seeds. 68 days . . . . .	.25	.65	
<b>Early Fortune.</b> Best for slicing or shipping. Dark green. 8-9 inches long. Uniform. 68 days . . . . .	.20	.50	

## EGGPLANT

<b>Black Beauty.</b> Popular home and market variety. Rich dark purple . . . . .	.45	1.40	
<b>Large New York Purple.</b> The standard home and market sort . . . . .	.45	1.40	

## KALE

<b>Dwarf Green Curled.</b> Very hardy, 12 to 15 inches tall, 30-inch spread. Finely curled . . . . .	.15	.35	
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## KOHLRABI

<b>Early White Vienna.</b> Standard sort for forcing and home garden. Globe-shaped . . . . .	.20	.50	
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## LETTUCE

<b>All-Season, Head.</b> Valuable market and home garden variety; round, firm heads . . . . .	.15	.45	1.40
<b>Big Baston.</b> Select stock. Most widely popular of all heading Lettuce. Largely used for summer and fall hotbed and cold frame culture . . . . .	.15	.40	1.10
<b>Black-Seeded Simpson.</b> Early, dependable everywhere and largely used by home and market gardeners. Loose-leaved and frilled . . . . .	.15	.40	1.15
<b>Grand Rapids Forcing.</b> The standard loose-leaved variety for greenhouse forcing. Tender and sweet under glass . . . . .	.15	.50	1.50
<b>Mammoth Black Seeded Butter.</b> Fine butter heading variety for home and market, especially good for summer. Head large and firm, excellent quality and flavor. . . . .	.15	.45	1.40
<b>New York Special No. 12.</b> Early variety and does well in midsummer. Very popular for shipping . . . . .	.15	.50	1.75

# VEGETABLE SEEDS FOR FLORISTS—Continued

		1 oz.	4 ozs.	1 lb.
<b>ONION</b>				
<b>Prizetaker.</b> Sweet Spanish class; large, globular; yellow, good shipper; mild and sweet		\$0.30	\$0.90	
<b>Yellow Globe Danvers.</b> Very popular; medium large; globe-shaped; flesh white with tinge of yellow, firm and hard		.30	.80	
<b>PARSLEY</b>				
<b>Extra Triple Curled.</b> (Moss Curled). Very compact. Dark green; finely cut and closely curled		.15	.35	
<b>Paramount.</b> New and improved triple curled variety, unusually rich dark green foliage tightly curled, finest variety for home or market gardeners		.20	.70	
<b>PEPPER</b>				
		1/2 oz.	1 oz.	4 ozs.
<b>Californio Wonder.</b> 72 days. Standard of excellence in Sweet Peppers. Used largely by market growers and shippers. Heavy producer over long period. Fruit large, smooth, dark green, becoming crimson; flesh firm and sweet		\$0.35	\$0.60	\$2.00
<b>Chinese Giant.</b> (Sweet). 80 days. The largest Sweet Pepper. Deep green, becoming scarlet-red		.30	.50	1.75
<b>Crimson Giant.</b> 85 days. Very mild, popular home and market sort. Deep green, becoming deep crimson.		.30	.40	1.40
<b>Harris' Early Giant.</b> (Sweet). 63 days. Very early for home and market; very prolific and large fruited; deep green, turning red		.25	.40	1.25
<b>Hungarian Yellow Wox.</b> (Hot). Very early. Desirable for canning or market garden. Light yellow becoming bright red		.35	.60	1.75
<b>Large Bell.</b> Sweet, mildly pungent. 55 to 60 days. Deep green becoming scarlet		.20	.35	1.00
<b>Large Sweet Spanish.</b> 80 days. For home and market garden; heavy producer; dark green to rich red		.25	.45	1.25
<b>Long Red Cayenne.</b> (Hot). 70 days. For pickles, canning or drying; very prolific. Deep green, becoming bright red		.25	.40	1.20
<b>Magnum Dulce.</b> Mild, fine for salad. Grows very large		.30	.45	1.50
<b>Pimento</b> (Perfection). Mild. 72 days. Standard variety for home or market garden and for canning whole. Deep green, becoming deep red. Heavy producer, fruits smooth and regular; flesh sweet		.20	.35	1.00
<b>Ruby King.</b> Standard for home or market. Deep green, turning bright red. 68 days		.20	.35	1.00
<b>Sweet Mountain.</b> Strong grower, very productive; fruit deep green, turning red		.20	.35	1.20
<b>World Beater.</b> 70 days. Large, oblong, green turning deep red; thick flesh		.20	.35	1.35
<b>RADISH</b>				
		1 oz.	4 ozs.	1 lb.
<b>Early Scarlet Globe.</b> (Short Top Strain). Our strain of this very early forcing variety is a superior one; small tops make it right for bunching. 23 days. This is an ideal florists' "catch crop" for selling to local stores		\$0.10	\$0.30	\$0.90
<b>Iceberg.</b> 27 days. Best early standard white Radish for home and market gardens, roots long, very white and brittle, mild and good flavor		.10	.30	.90
<b>Scarlet Turnip.</b> White-tipped popular variety for home and market gardens. Tops small, roots deep, turnip-shaped, bright scarlet; fine quality		.10	.25	.75
<b>SPINACH</b>				
<b>Giant Thick-Leaved.</b> (Nobel). 43 days. Best of thick-leaved group; long standing; heavy yielder; deep green, smooth leaves			.15	.40
<b>New Zealand.</b> Distinctly valuable for hot, dry weather; seeds are large, nutlike; plants large and spreading; leaves small, thick, deep green and tender		.10	.25	.60
<b>SWISS CHARD. Lucullus.</b> Deep green, fleshy, crumpled leaves, very choice for greens		.15	.35	
<b>TOMATO</b>				
<b>Michigan State Forcing.</b> New and distinct greenhouse Tomato, developed at Michigan State College. Self-pollinating, and wilt-resistant; rich, deep scarlet fruits, globular, medium size, in large clusters; fine shippers		Pkt., 25c...	1.00	
<b>Banny Best.</b> Unexcelled for all purposes including forcing. 73 days		.25	.80	2.90
<b>Break O' Day.</b> A superior strain, wilt-resistant, globe-shaped; fine for shipping; heavy producer. 75 days		.35	1.00	
<b>Chalk's Early Jewel.</b> 75 days. Fine for home and market; heavy producer; scarlet-red		.30	.90	
<b>Crimson Cushion.</b> Large, round, bright scarlet; solid; very prolific. 120 days		.45	1.40	4.75
<b>Dwarf Champion.</b> Treelike. Requires no support; medium size, purplish pink fruit. 78 days		.35	1.20	
<b>Dwarf Stone.</b> Largely used by market gardeners and canners. Heavily productive; smooth and solid. 85 days		.35	1.25	
<b>Earliana.</b> Particularly valuable for home and early market garden. Medium size, deep scarlet. 64-66 days		.30	.90	3.25
<b>Early Detroit.</b> Valuable for shipping. Purplish pink, large, smooth fruit. 78 days		.30	1.00	3.50
<b>Golden Queen.</b> 83 days. Best large yellow fruited; golden yellow; firm and smooth		.35	1.10	
<b>John Boer.</b> Standard all-purpose variety, used largely for canning in northern sections; medium to large. 71 days		.25	.90	3.00
<b>June Pink.</b> 65 days. Best extra early. Purplish pink		.25	.90	
<b>Livingston's Globe.</b> Heavy producer. Large purplish pink fruit; smooth and solid. 81 days		.30	1.00	
<b>Marglobe.</b> Particularly valuable for shipping and highly resistant to disease. Smooth; of distinct quality and long bearing. 75 to 78 days		.35	1.10	3.90
<b>Oxheart.</b> Late home garden variety. Extra large, heart-shaped; few seeds and mild flavor. Very choice for salads		.65	2.00	
<b>Penn State Earliana.</b> Extra early, large size and smooth. Rich scarlet color; flesh mild and solid		.40	1.25	
<b>Panderosa.</b> Valuable for home use. Extremely large; purplish pink, with few seeds. 85 days		.40	1.30	
<b>Pritchard</b> (Scarlet Topper). Heavy yielder; second early; wilt-resistant; fruit solid, brilliant red		.40	1.25	4.25
<b>Stone.</b> 85 days. Valuable for market and canning; heavy producer; deep scarlet; smooth		.30	.90	3.00
<b>Yellow Husk or Ground Cherry.</b> (Not a true Tomato; sometimes called Strawberry Tomato). 80-85 days. Used for preserving. Fruits borne singly; small, round, enclosed in papery envelope; of rich, sweet flavor		.40	1.25	
<b>TURNIP</b>				
<b>Purple-Top White Globe</b>		.10	.25	.60

**NOTE:** Our seed cannot be bought from dealers or agents, EXCEPT IN OUR PRINTED PACKETS OR CONTAINERS. Avoid uncertainty and possible loss by ordering direct from us, or through our regular representatives who sell in our containers only.



Our 300-foot house of Ball Colendulo planted entirely with single plant selections for improving our stock and trying far new colors.



## Ball Red Book

(By Geo. J. Ball)

In this handy florist "packet baak" will be found plainly worded suggestions for growing all important Florists' seed-grown crops. Regularly rewritten and enlarged. We try to make it valuable to you, for we know that the success of our business depends on the prosperity of yours.

## European Floriculture

As Nated by **GEO. J. BALL**

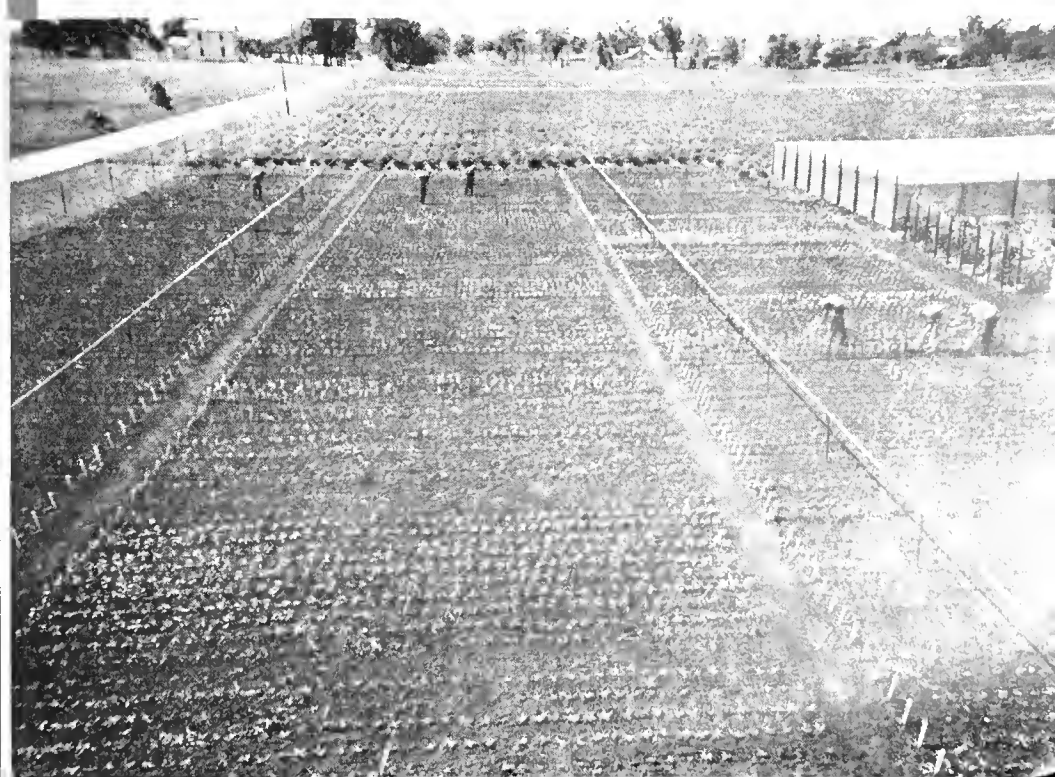
An account of a trip through the principal European centers, with descriptions of many interesting varieties that should be better known and used by American florists. Sent gratis on request.

**Our main trial ground that clearly tells us what is good and what is not good in flower seeds.**

## Service

In any well-founded, prosperous business these days, service will be found more than a catch phrase. The giving of suggestions or information on the care or suitability of plants or flowers, for any occasion, offers a high opportunity for service. It calls for experienced ability. A business might easily rise or fall on the quality of such service. Dependable service builds priceless good will attitude that answers the problem of the price competitor. The class of attendance at F. T. D. gatherings and short courses is usually not so much interested in price as in originality and quality. Add to this real service, and the answer will be good business.

*Geo. J. Ball*





*Geo Ball*  
INC.

West Chicago, Ill.  
U. S. A.

**BALL** DWARF GIANTS No. 1 (See page ~~10~~ 8 The most uniformly dwarf giant strain. Grown for us exclusively by a European specialist.  
Tr. pkt., \$1.25; 1/2 tr. pkt., 75c; 1 64 oz., \$2.25; 1 32 oz., \$4.00; 1/16 oz., \$7.00.